

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

YUTECA

WACHAMPA

SAPA

CHERESOTO

Spring
Gurney & Nurseries Co.
SEED & NURSERY CO.
YANKTON, SOUTH DAKOTA.

1914.

OPATA

HANSKA

KAGA

WASTESA



EARLIBELL TOMATO

GURNEY'S PIE CARROT

DAKOTA RED
GLOBE ONION

GURNEY'S EARLY
GOLDEN SWEET CORN

GURNEY'S DOLLAR MAKERS FOR 1914

GURNEY'S RED GLOBE ONION "DAKOTA"

In offering the "Dakota" Onion for the first time we wish to tell you something of it. The parentage of this onion is strictly Southport Red Globe, but has been grown in Dakota for a number of years and by careful selection of the bulbs and saving of the seed crop we have produced an onion that is very uniform in size, very dark red in color, a perfect globe, and quite a bit earlier than any other globe onion that we know of. We consider this one of the most profitable onions for the people of the Northwest to plant. It has yielded an immense crop of firm bulbs when other seed has failed to do as well. On account of being able to market them earlier than other varieties you can secure a better price, and as the yield is equally as large as any other variety it is certainly more profitable to plant them. The seed will cost you a little more money than the others, but a few cents per acre is more than made up by the result in the fall.

The seed supply of the onion "Dakota" is limited this season, and we can not offer them in as large lots as we would like, but expect to be able another year to supply all the demand for them. Pkg., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.25; 1 lb., \$2.00.

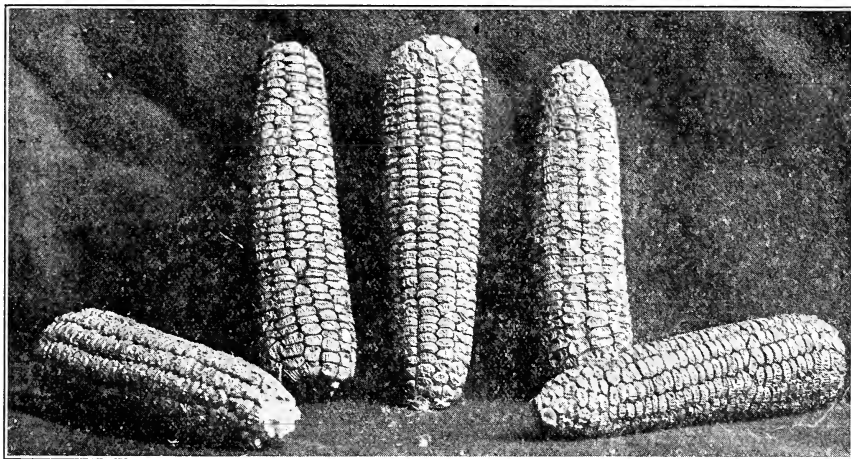
GURNEY'S PIE CARROT

We do not suppose you have ever made or eaten a carrot pie; very few people know that carrots are good for pie purposes and probably none of you have known that any particular variety or kind of carrot would make a better pie than another. Carrots for pie purposes are at least equal to pumpkins, and the pie resembles in flavor the pumpkin pie but is much more delicious and on account of your being able to use them long before the pumpkins are ripe you have almost a continuous season of carrot pie, commencing with the carrots when they are about one inch through, and using them until the old carrots are gone in the spring. Make the carrot pie just as you would pumpkin pie, and you will be surprised at the deliciousness of it. This particular carrot is better than any other variety for that purpose and we trust that you will try it, and be as well pleased with the results as we are. Pkg., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.00.

GURNEY'S EARLY GOLDEN SWEET CORN

This variety is one of our own origination and introduction; it resembles the Golden Bantam in quality, and that is all. It will produce at least 50 per cent more ears than the Golden Bantam; they are at least one-half larger, about one week later, and unlike the Golden Bantam, it can be used for quite a long season after it is once in the roasting ear.

In color the kernels are yellow; in quality there is nothing better than Gurney's Early Golden; the kernels are of a rich creamy yellow, very deep, sweet and tender. On account of its immense yield it is the most profitable for the market gardener of any of the varieties, and the demand to-day is for the yellow rather than the white Sweet Corn. $\frac{1}{2}$ pt., 15c; 1 lb., 30c; pk., \$1.50; bu. \$5.00.



EARLIBELL TOMATO

Once more the Earlibell has scored, at least one week ahead of all other varieties in ripening. Every season we receive from people all over the United States samples of Tomato seed, saying this is earlier than any other variety. We plant these samples side by side with the Earlibell in our trial grounds, planting them on the same day, and without an exception the Earlibell has produced ripe fruit one week ahead of the others. It is an immensely prolific variety, of good, large, smooth tomatoes, born in clusters of from three, six, or eight tomatoes, and generally ripens all of the cluster at once. The vines are extremely vigorous, with medium heavy foliage, bearing continuously until frost. The tomato growers of Texas and other southern states can safely discard all their extra earlies and use Earlibell. We have received surprising testimonials of the Earlibell Tomato from practically every state in the Union, but those that we consider of most value are from the high altitude of Wyoming, 5,500 feet, where the tomatoes have matured each season when no other variety furnished even one ripe tomato, and from the southern part of Texas, where they can put them on the market ten days ahead of any other variety. Pkg., 15c; oz., 50c; $\frac{1}{2}$ lb., \$2.50.

ONION CULTURE AND PROFIT IN ONIONS

You cannot plant a crop on your farm that will produce more dollars per acre than a crop of onions. The season of 1913 saw a much smaller crop of onions over the entire United States than the year previous when onions sold for the lowest price of any previous season. The 1913 crop is moving at a very high price and consequently more profitable to the grower than it has been for several years. The yield in this particular section of South Dakota from the onion **Dakota** and **Southport Red Globe** and other standard varieties has been exceptionally heavy; the gardeners selling but few of them under \$1.00 per bu., and lots of them moving at \$1.25 and \$1.50 per bu., making the greatest yield of dollars per acre of any crop. To give you an idea of some of the wonderful yields, we will say that **Mr. James of Yankton** planted one pound of **Prizetaker** Onion seed and sold to us and delivered here at our warehouse 10,600 lbs. of large bulbs, all marketable, ripe and sound, as the result of the one pound of seed. Onions can be grown and delivered at your station for \$30.00 per acre; this allows about \$6.00 per acre rent for the land.

SELECTION OF LAND AND PREPARATION OF SEED BED

Selection of land for onion growing should have your most careful consideration. Remember that most of the work in an onion field necessarily must be done with hand machines and by hand, consequently you should select a piece of ground kept thoroughly clean the year previous. We would advise using ground that had produced potatoes or a garden crop, or some other crop that had been kept thoroughly free from trash, so there will be nothing left in the ground to catch on the knives of the wheel hoe, which is so necessary in the success of onion culture. The newer and richer the land the better. Do not cover it with coarse manure just before plowing as it would have a tendency to dry out, and more or less of the trash will interfere with the cultivation of the onions. When you have made the selection to your satisfaction then prepare the ground; plow it in the best possible shape, disc and drag and float the ground until you have put it in the same condition that you would the very best garden ground you have planted. Remember that every dollar's worth of work you put on the ground previous to sowing the seed will save you \$2.00 when it comes to cultivation and care of the crop during the growing season. Do not figure that you are wasting time in preparing the seedbed.

After the seed bed is prepared to your satisfaction and the weather conditions are right, which may be any time during the month of April or the first half of May, drill your onions in, using any good seed drill, though we prefer the **Planet Jr.** Onion seed should be planted at the rate of about $4\frac{1}{2}$ lbs. per acre and should be covered from $\frac{3}{4}$ of an inch to $1\frac{1}{2}$ inches deep, depending on the kind of land. On rather heavy soil a little less covering, and on light or sandy soil, a little deeper. The rows should be from 12 to 14 inches apart and you should make them just as straight as possible; we advise stretching a line for the first row, and following this with your drill; the marker on your drill will make the next row straight, and so on through the field. After sowing the seed and previous to its coming up, if the ground should become crusted, which it may from several causes—the principal one a heavy rain—you should then put the rakes on your wheel hoe and go over the ground breaking this crust; it can be done as fast as you can walk and will save your onion crop, as onions will not break through the crust. This has caused more failures in onion growing than any other one cause.

CULTIVATION OF ONIONS

After sowing the onion seed and previous to their coming up you may have a good stand of weeds; if it looks as though you were going to have a large crop of weeds take your double wheel hoe or garden cultivator, whichever you have, put the rakes on and go over the ground thoroughly without regard to the rows, as the seed will be deep enough so the rakes will not disturb it even if you go crossways. As soon as you can see the rows put on the knives. We advise the double wheel hoe with 6-inch knives. Straddle the row, cultivating as close as you possibly can to the little onions; do not cultivate deep—barely under the surface of the ground, just enough to destroy the weeds. Do not cultivate onions deep at any time; onion roots are very close to the top of the ground and if you repeatedly cut them off, you will induce your onions to grow up to long necks or scullions and make them grow much later in the season than otherwise. Follow with thorough cultivation, removing the weeds in the rows by hand just as early as possible after they appear. If you allow the weeds in the rows to grow so they disturb the ground for several inches when you pull them you will have a bunch of scullions where you have disturbed the onions. Remember this always: onions and weeds can be produced on the same ground but it is not profitable, at least from the onion end. Keep your onion field free from weeds from the time you start until harvest and you will have a profitable crop.

ROLLING THE TOPS

Hundreds of people write us each year asking when they shall roll their onions in order to make them ripen. We have always advised our customers to keep off from the onion field with their barrel; we have submitted this question to the best onion growers in the country and they all advise that onions are damaged more than helped by rolling. The proper selection of land, preparation of the seed bed, securing strictly first class seed, and good care for the summer will produce a crop of marketable onions without the use of the barrel or any other roller.

HARVESTING THE CROP

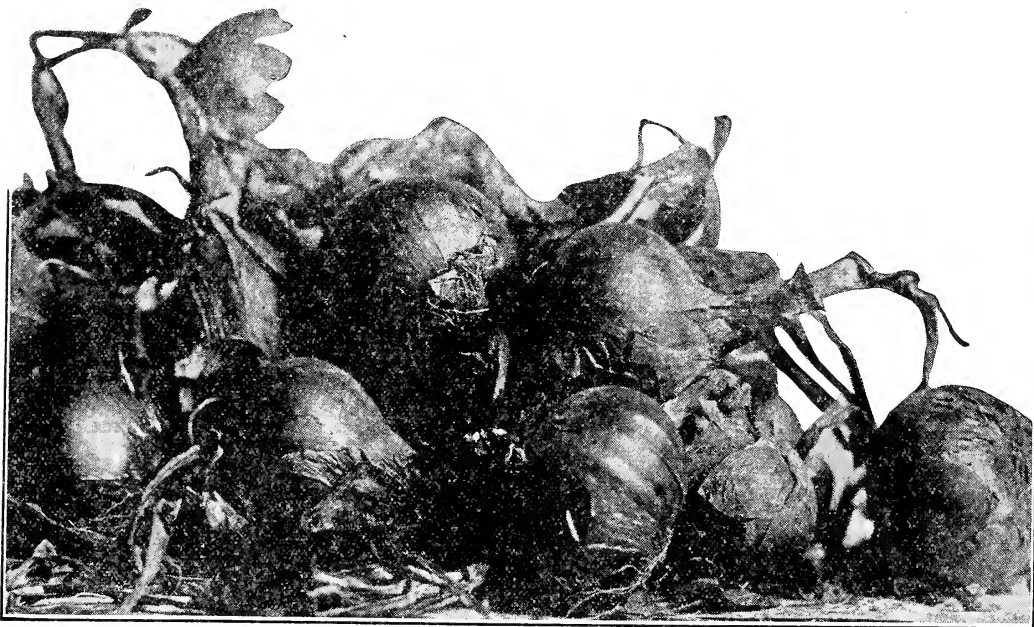
As early as your onions are mature they should be pulled, left on the field and allowed to cure for several days. For small fields, a small boy on his knees—straddling one row and pulling a row on each side and making a windrow of them is best; for larger fields or where you prefer in the smaller ones, attach the onion lift to your Planet, Jr., or other wheel hoe, and lift the onions from the ground; this makes it much easier to handle than pulling them. The onions should be allowed to lay on the ground, if the weather is right, for several days; the tops will then be thoroughly dry and can be jerked off easily as you handle them, putting them into bags or crates. In sacking or crating onions for the market we would advise the use of new bags and new crates as a new package always brings a better price for the goods they contain than an old, dirty package will. We also advise making two grades of your onions; the increased price for the fancy onions will more than pay for the trouble. If the weather be bad during the harvest time the onions can be spread on corn crib floors and kept there for some time. Heavy frosts or light freezes do not hurt the onions, especially if they have as much protection as they would have in an ordinary corn crib.

MARKETING THE ONIONS

We advise marketing as many onions as you can at home as it saves the freight charges both ways. After you have supplied your home market there is always a regular market just as there is for potatoes, corn, wheat or hogs. Always remember the better grade you have to ship and the more attractive the package the better the price.

OUR GUARANTEE

We guarantee all the onion seed we send out to be of the crop of 1913 and to test to the satisfaction of the purchaser; that is, on arrival of seed test it and if it does not test to your satisfaction return it to us at once and your money will be refunded. We make a specialty of onion seed and probably sell more than any other seed house in the northwest. We offer our customers nothing but fresh seed each year and seed of the best quality. It is absolutely necessary that you should have a strictly first grade seed to produce a good crop, but good seed will not always produce a good crop if you do not handle it properly after planting it. The growers in the Northwest are reporting better success than ever with Gurney's Onion seed.



VARIETIES TO PLANT

SOUTHPORT RED GLOBE. We consider this the most profitable of any of the onions for planting in the North. This onion brings the best price on the market of any of the red onions. Its large size, dark, glossy red color and the fact that it is one of the best keepers makes it a very desirable onion. They are just a little later in maturing than the Red Flat but are safe to plant almost any place that onions can be grown. We would advise that you make the bulk of your planting Southport Red Globes. This variety has given as high as 1100 bushels of onions per acre, and is the leading market variety in the North. **Pkg., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; 4 lbs., \$5.00.**

SOUTHPORT YELLOW GLOBE. The true Southport Yellow Globe is particularly valuable for winter market. It is a more perfect globe than the Yellow Globe Danvers and a better keeper. The onions are similar in size and form to the Southport Red Globe but have a pale, straw yellow skin, mild flavor and a heavy cropper. Owing to its handsome appearance and delightful flavor it sells readily on all markets but does not sell in as large quantities as the red onion; for this reason we advise that your acreage of yellow onions be less than the red, though all markets demand some of them, we would advise that you plant a part of your acreage to these. **Pkg. 5c.; oz. 15c.; 1/4 lb. 45c.; 1 lb. \$1.40; 4 lbs. \$5.00; postage paid.**



SOUTHPORT LARGE WHITE GLOBE. This is the best all-purpose white onion in cultivation; it is large, a perfect globe, silvery white and the very best keeper, and excellent quality. It commands in a small way a higher price on the market than the Yellow or Red onion, but the demand is not as large for the White. In growing onions we advise that you put in a part of your acreage of this large White Globe as there is always a demand for a reasonable amount of them at a better price than you could get for other onions. On account of their mild flavor they are particularly valuable for green onions for bunches, or when matured for slicing with vinegar. **Pkg. 5c.; oz. 20c.; 1/4 lb. 75c.; 1 lb. \$2.00; 5 lbs. \$9.00, postage paid.**

LARGE RED WETHERFIELD. One of the old standard varieties and a favorite onion especially in the West, where immense crops are grown for shipment. Large size, skin deep purplish red, form round, somewhat flat, flesh purplish white, moderately fine grained, and stronger in flavor than most other kinds. Very productive, best keeper, and very popular for general cultivation in most localities. It is more inclined to form large necks if planted on very rich soil, but is the best of any variety on poor or dry soil. **Pkg. 5c.; oz. 15c.; 1/4 lb. 40c.; 1 lb. \$1.50; 4 lbs. \$5.25, postage paid**

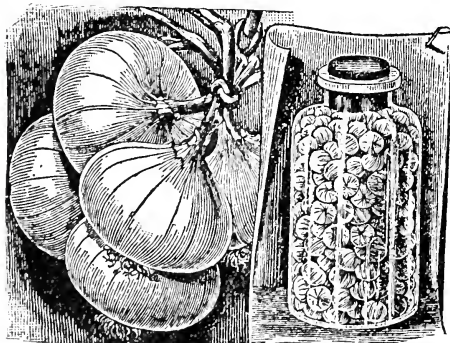
EXTRA EARLY RED FLAT. For the early market we advise this onion as it matures two to three weeks earlier than other onions; it is not quite so large, medium size, flat in form, flesh white tinged with pink, skin deep red, solid, good keeper. **Pkg. 5c.; oz. 15c.; 1/4 lb. 40c.; 1 lb. \$1.40; 4 lbs. \$5.25**

PRIZETAKER. This is the largest of all of the onions and most handsome in shape, the mildest in flavor not excepting the Bermuda onions. Our seed stock of this onion is pure American grown and produces the largest and handsomest onion we have ever seen; larger in size and better in appearance than the most wonderful of the Spanish and Italian varieties, many of the bulbs weighing as high as 3 and 3 1/2 lbs. each. Skin rich golden color, and so mild and sweet that it can be eaten raw like an apple. This variety has been on sale in the grocery stores over the country and usually retails at from 5 to 8 cents per lb. This onion is a reasonably good keeper but should be disposed of by January 1st. We strongly urge the planting of a reasonable acreage of this variety, as it will certainly prove profitable. **Pkg. 5c.; oz. 15c.; 1/4 lb. 40c.; 1 lb. \$1.50; 4 lbs. \$5.25, postage paid.**

MAMMOTH SILVER KING. This is absolutely the largest white onion grown, specimens often measuring as much as 20 inches in circumference and weighing as high as four lbs. It is of very attractive shape and color; silvery white skin, flesh a most agreeable flavor, but only a reasonable keeper. We advise the growing of this in small quantities and you should dispose of them by the first of December. For exhibition purposes these should be started in a hot bed and transplanted; in this way you will produce onions of immense size. **Pkg. 5c.; oz. 20c.; 1/4 lb. 50c.; 1 lb. \$1.60; 4 lbs. \$5.60, postage paid.**

PHILADELPHIA SILVERSKIN. This is practically the same variety as the White Portugal, but having been grown for many years especially for white sets, is now particularly desirable for that purpose and for pickling purposes. Medium size flat in form, silver white skin, solid, good keeper. **Pkg. 5c.; oz. 20c.; 1/4 lb. 60c.; 1 lb. \$2.50.**

PARIS WHITE PICKLING, OR SMALL SILVERSKIN. This is used for pickling purposes almost entirely; it is of small size, silvery white and makes the best onion for its purpose. In planting onions for pickling or for sets, seed should be sown at the rate of about 40 lbs. per acre. **Pkg. 5c.; oz. 25c.; 1/4 lb. 70c.; 1 lb. \$2.25.**



White Pickling.

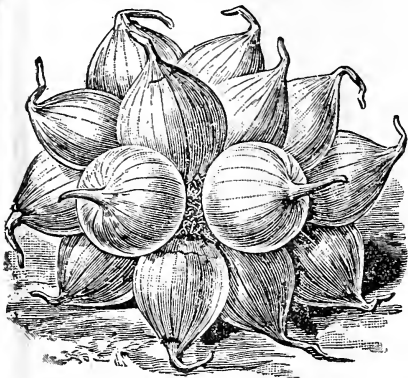
White Welch Onion

For early green onions, the seed of this onion may be treated as any onion seed, making one-third the expense and trouble of planting top sets and producing more green onions. The flavor is the sweetest of all onions. The plant is perennial and may be left in the ground for years with but slight protection. Maximum results, however, are obtained by treating as an annual; sow in the spring or fall. **Pkt., 10c; oz., 25c; 1/4 lb., 75c.**

Wessington Springs, S. D., July 16, 1913.

For a number of years I have been buying nursery stock of you, and have always been more than pleased. Two years ago this spring I set out two dozen Perfection Currants, and last year I had about 50 quarts, and this season 56 quarts, of very large currants from them. The demand for the fruit was great as no other currants were so large. I shall want more this spring.

FRED N. DUNHAM.



ONION SETS. These may be planted early in the spring to be used for green onions, or can be allowed to grow, producing large onions very early. They are planted largely by market gardeners and allowed to grow full size on account of coming onto the market when other onions are scarce; in this way they realize the best price.

WHITE BOTTOM SETS. Ft. 15c.; qt. 25c.; pk. \$1.20; 1 bu. \$3.50.

RED BOTTOM SETS. Ft. 15c.; qt. 25c.; pk. \$1.00; 1 bu. \$3.00.

YELLOW BOTTOM SETS. Ft. 15c.; qt. 25c.; pk. \$1.00; 1 bu. \$3.00.

WHITE MULTIPLIERS. Enormously productive. Qt. 25c.; pk. \$1.25; bu. \$4.25.

POTATO ONIONS. Should be planted in March or April. Ft. 15c.; qt. 25c.; pk. \$1.00; bu. \$3.75.

EVERGREEN TOP, OR WINTER ONIONS. These are planted in September and you should ask for prices.

PREMIUMS FOR 1914

Something Good Free With Every Order

We have adopted a little different policy in the way of cash premiums for this coming year, and wish those who are interested would go over the following carefully. We offer \$20.00 in cash premiums at each State Fair in the United State for the best exhibit of vegetables grown from Gurney's seed and exhibited by the grower. To win this you must also win the Society's premium for the best display of vegetables.

We offer \$10.00 in cash for the best ten ears of corn grown from Gurney's seed and exhibited at your State Fair; any variety, just so you get the seed from Gurney.

We offer \$10.00 for the big pumpkin.

We offer \$3.00 additional to above premiums at all of the State Fairs for a photograph of the premium winning article, whether it be corn, potatoes or vegetables.

At various places in the catalog you will find other cash premiums which we offer for goods to be sent direct to us.

All of these premiums aggregate several thousand dollars. If you will compete for and win them, we are only too glad to give you the money.

Conditions of this \$20.00 premium are that all items exhibited must be grown exclusively from Gurney's seed and must win the Society's regular premium for the best display of vegetables. There will be no exceptions to these rules.

Conditions of all above premiums are: They must be grown from seed purchased from Gurney Seed & Nursery Company or from dealers handling our seed in the year 1913, and exhibited by the grower.

With each order for \$1.00 worth of seed in packages and ounces, you may select 25 cents' worth additional package seed, which will be sent you absolutely free with your order.

After your order is made up kindly figure the total amount of your purchase of package and ounce seed, then add 25 cents' worth of free seed in the packages for each dollar. We pay the postage on all seeds in packages, ounces, quarter-pounds and pounds. If you order by freight or express, deduct 8 cents per pound from your order for all seed ordered in quarter pound and pound lots.

SEVEN PER CENT FOR YOUR MONEY

As our business increases it requires more money for its operation. To meet these additional requirements we have issued a small amount of Preferred Stock paying seven per cent per annum, one-half paid on July 1st of each year and the other half January 1st of each year. Before we could offer this Preferred Stock to anyone it was necessary, under the South Dakota laws, to pass an examination as to our financial condition by the State Board of Securities. This examination has been made and the right to sell this stock has been issued. This examination is about the same as a bank examiner examines banks; no licenses are issued to any company for the sale of stocks or bonds unless the examiner and the Board of Securities are convinced by the examination that the firm, person or corporation examined is financially able to take care of any of the obligations which he or they may wish to sell.

We are not soliciting you to purchase any of this 7% Preferred Stock, but thinking that possibly some of our customers are not able to place their money at this desirable rate we are offering it in blocks of \$100 or more to any who wish to take it. If you are interested write us for particulars. In writing regarding this Preferred Stock, address your letters to D. B. Gurney personally.

Andover, S. D., March 19, 1913.

I desire to plant some trees this spring and have heard people speak highly of your nursery. Kindly send the catalog.

REV. A. S. AMIRALT.

Spearfish, S. D., Feb. 17, 1913.

I have waited for several weeks for your catalog, and as mail is sometimes lost I wish you would send me another one, your catalog being a very desirable article to me. I will feel grateful for the extra catalog.

ROY TIBBITS.



COL. C. W. GURNEY

Born May 13, 1840. Died March 25, 1913

[Written by himself March 16, 1913.]

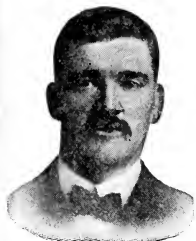
MY RELIGION: "I believe in God the Father, 'The Great First Cause,' but what it is or how created I am sorry I do not know, but glad to believe I know as much as any other about it. The student who spends years at a theological school to learn about God and immortality comes away with at least no better knowledge than he took there, but in many if not in most cases more radically and more firmly riveted to the wrong or to some one's guess-work than before.

"A human being consists of two elements, physical and mental. The latter is frequently called the soul. The physical body is not lost. This is impossible. It is only a change. 'Dust unto dust.' Neither is that mental or spiritual element lost. Nothing is lost. If the mind perishes with the body then the whole apparent aim and object of creation is abortive. In just what way this spiritual life is perpetuated no one can possibly know. It is enough for us to know that the bounds of knowledge are fixed and that we cannot pass them. Beyond that even speculation stands appalled.

"There is another book called the 'book of nature' which teaches that God has made nothing for man that he could do for himself. For instance, God made the apple not bigger than a pea, and man has done the rest. This is not profanity. While man appears to have done the most, it is still true that all the men and all the science the world has ever produced could not make the little apple.

"For ages, eons, man has been taught that the great success in life is getting rich. This is changed considerably now. We are beginning to get out of the ruts. No man may now claim to have made a success in life unless his activities have lain along the paths of usefulness, helpful to humanity. The greater the obstacles overcome, the greater sacrifices and unselfish devotion to an idea or principle, the greater the success.

"What I have said is merely around the edges of the subject, but I do not feel justified in protracting it. It is a subject, however, that I have devoted much time and thought to, and perhaps might be summed up something like this: **GOD THE FATHER BROUGHT ME HERE WITHOUT CONSULTING ME AND I MUST BELIEVE HE HAS KEPT ME WHERE HE WANTED ME WHILE HERE. I HAVE THE SAME FAITH THAT HE WILL PLACE ME WHERE HE WANTS ME IN THE GREAT HEREAFTER, AND I SHALL BE SATISFIED.**"



P. S. Gurney



Geo. W. Gurney



D. B. Gurney, Sec.-Treas.



S. S. Gurney



C. A. Gurney

A FEW WORDS TO OUR FRIENDS AND CUSTOMERS

Owing to the death of Col. C. W. Gurney, one of the good men of this country, you will ask what effect his death will have on the management and future prosperity of this Company. It is bound to have an effect on both the Company and the community, as the loss of so good a man must be felt by any business in which he was interested, or a community in which he lived.

Nearly a year has passed since his death, and we have added to the Company one more of the sons. The five sons who are directly interested in the Seed Company have had a year's experience in handling the immense business without the guiding hand of the president of the Company. The past year has been a very satisfactory one to ourselves and to our customers, we believe. We have used every effort to make it so. We will say for your information that we boys are getting out of the boy and into the gray haired class; our experience has been that of a life, never having engaged for any length of time in any other than the nursery and seed business. We wish to say to you whether you are customers or intended customers that our present high standard in quality of goods will be maintained and improved always where it can be. The Colonel lived to see five of his sons working harmoniously in building up one of the largest businesses of the Northwest. One of his last wishes was that the seven sons could be together, and the prospects now are that before the end of the coming year they will be.

OUR VICE-PRESIDENT

E. R. Gurney of Fremont, Nebraska, a nephew of Col. Gurney, is considered by the sons more of a brother than a cousin. Owing to his modesty we are unable to show his picture on this page with the sons, however much we would like to do so. He is certainly of material assistance to us in the success and the upbuilding of this company, and to show you that he is an enthusiastic agriculturist we refer you to the introduction in the corn section of this catalog, which is a reproduction of one of his enthusiastic speeches before one of the Bankers' Conventions; you will surely read every word of it with interest.

Trusting that you will have a very prosperous year, we are,

Very truly yours,

GURNEY SEED & NURSERY COMPANY.

AN EIGHT HUNDRED THIRTY-ONE DOLLAR PHOTO-GRAPH

Last year we showed on this page a \$700.00 photograph, which was the amount of the cash premiums paid by us at the various State Fairs in the United States. This year we are showing a photograph that should make "your mouth water" and make you compete for these special cash premiums at your State Fair in 1914. You will note that we are not offering the \$3.00 premiums for various kinds of vegetables and corn which we were offering other years, but are offering instead a special cash premium of **\$10.00** for the best ten ears of corn of any variety grown from our seed and exhibited at your State Fair. This is **\$1.00** per ear for the ten best ears exhibited.

We are also offering **\$20.00** for the best exhibit of vegetables grown from Gurney's seed. In order to win this last **\$20.00** all of the items exhibited must be grown exclusively from Gurney's seed and must win the Society's regular premium for the best display of vegetables. There will be no exception to these rules; we and the management of the various Fairs will treat you fairly, and we believe that the competition for Gurney's special cash premiums will increase each season.

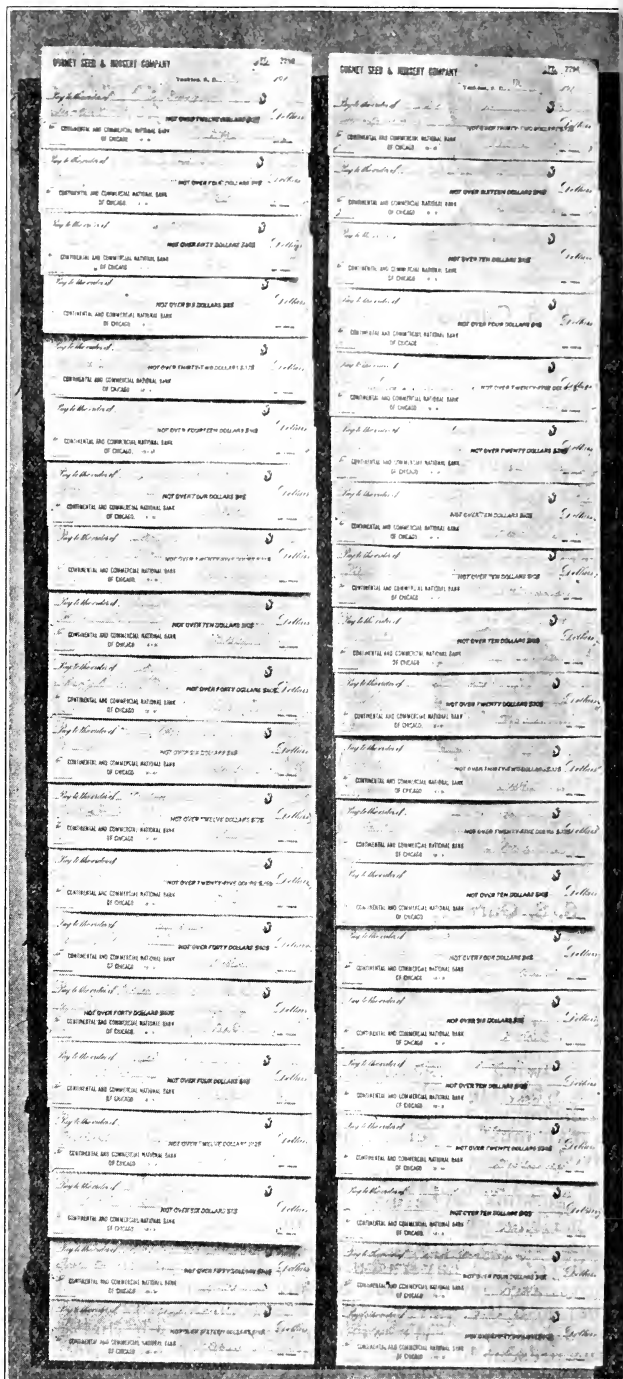
We are also offering **\$10.00** for the best collection of potatoes grown from Gurney's seed and exhibited at any of the State Fairs.

These are nice amounts, good premiums, and will make fine displays at your Fairs. If you win in any of the States we will pay **\$3.00** additional for a photograph of the exhibit that wins the premiums, whether it be potatoes, corn, or the vegetable display. Do not forget this; it is important that we should have the photograph.

MAMMOTH PUMPKINS FREE

French Mammoth Pumpkin

For the last several years we have imported from France seed of a number of varieties of Mammoth Pumpkins; some of these reaching a weight of 200 lbs. and producing an immense tonnage of good stock food per acre. These are rather a novelty and are exceedingly valuable. We are putting these up in packages and giving free with each order for vegetables or flower seed one package of these truly marvelous pumpkin seed. Then we are offering a cash premium of **\$10.00** for the largest pumpkin produced from the seed. For the next nine largest, **\$1.00** each. The conditions under which we give this premium are, that you will take the pumpkin to town, have it weighed and the weight certified to by yourself and mailed to us, the pumpkin placed on display in some store window in your town, until you can hear from us. The one winning the **\$10.00** premium, and those winning the **\$1.00** premium contest, but we want ten of those big pumpkins for a special purpose, which you will see in the 1915 catalog. Remember, as long as the seed lasts of this Mammoth Pumpkin, one package will go free with each order of vegetable or flower seed. We do not sell these pumpkin seed.



READ CAREFULLY

Business Rules, Instructions and Guarantee

Any business to be successful must have "Rules," and live up to them.

No. 1—Never allow any Seed to leave our possession until it has been tested, and shows a germinating test that would satisfy us for our own planting.

No. 2—Use every means in our power to know that all Seed and Nursery Stock sent out by us are true to name.

No. 3—Never give customers less than they pay for; always give them full amount of the very best goods and then put in some extras.

No. 4—We guarantee safe arrival of all Seeds.

No. 5—Never open a book account with any person; cash before shipment; or where one-third of the amount is remitted with order we will ship C. O. D. for the balance, always with privilege of examination.

No. 6—At the prices quoted in this Catalog we deliver all Seeds and Nursery Stock to any express or railroad company in Yankton; no charge for bags and boxes. All Seeds quoted in packages, ounces, $\frac{1}{4}$ and $\frac{1}{2}$ and pound, we send by mail prepaid, if so ordered. If to go by freight or express, deduct 8 cents per pound from the aggregate weight of your order of $\frac{1}{4}$ pound, $\frac{1}{2}$ pound and pound. Transportation charges on Nursery Stock to be paid by purchaser in all cases.

No. 7—Follow shipping instructions given by the customer; if none are given, use our best judgment, always securing the lowest rate possible for them. **Seeds and Nursery Stock by Express from Yankton, S. D., go at the following low rates, this saves you money.**

Low Express Rates in South Dakota on Seeds and Nursery Stock

The South Dakota Railroad Commissioners recently changed the express rate in South Dakota to a very reasonable basis. We are giving you herewith the express rates on seed and nursery stock to various points in South Dakota; you will see they are very low, much lower than from other states, and we advise the shipment of seeds and nursery stock by express in almost every case.

Express rates from Yankton to Aberdeen, S. D., 85 cents per 100 lbs; Alcester, S. D., 35 cents per 100 lbs; Chamberlain, S. D., 65 cents per 100 lbs; Elk Point, S. D., 30 cents per 100 lbs; Faulkton, S. D., 75 cents per 100 lbs; Gettysburg, S. D., \$1.00 per 100 lbs; Groton, S. D., 90 cents per 100 lbs; Huron, S. D., 50 cents per 100 lbs; Milbank, S. D., \$1.20 per 100 lbs; Mitchell, S. D., 35 cents per 100 lbs; Platte, S. D., 35 cents per 100 lbs; Pierre, S. D., \$1.00 per 100 lbs; Rapid City, S. D., \$1.70 per 100 lbs; Watertown, S. D., 85 cents per 100 lbs.

No. 8—When we receive an order for goods without any signature, or one that we cannot read, we use every effort to locate the party. To avoid this extra trouble and delay in filling orders, please **sign your name to your order**; give the P. O. address, Rural Route, County, State, and name of railroad. Make them plain so that anyone can read them.

No. 9—We guarantee the safe arrival of all money sent us by Bank Draft, Express or P. O. Money Order. We accept postage stamps in amounts of \$1.00 or less; currency or coin in any amount, but **we do not guarantee its safe arrival**. Your check is good. It is sometimes inconvenient to send to town for a draft or money order, and if you have money in the bank you can send your personal check with order. We make this offer to save you trouble and delay in obtaining the goods you need.

No. 10—If we do not have every item ordered, we do not substitute without your written permission. All money sent for goods that we are unable to fill is returned promptly.

No. 11—We send out nothing but goods of the best grade. If you want a cheaper, poorer grade, you will have to purchase elsewhere.

Parcels Post

No. 12—The new Parcels Post bill passed by Congress is in effect and we can deliver to your door packages weighing up to and including 50 lbs. in the first and second zones, 20 lbs. outside of those two zones. We can deliver these packages to you at a very low rate, lower than express rate in most cases. This will undoubtedly mean a readjustment of express rates to a lower basis.

No. 13—We guarantee that all seed ordered from this catalog will prove of satisfactory germinating test to you; that is, on arrival of the seed test it and if it does not prove satisfactory you may return it to us within **fifteen days** after receipt of the seed by you, returning at our expense, and your money, together with the transportation charges which you have paid, will be refunded. It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted under varying conditions of soil and climate, that we and all other American seed houses disclaim responsibility as to the crop that may be raised from seed which we sell. At the same time, in case of failure to secure proper results caused from some inherent fault in the seeds themselves, Gurney Seed & Nursery Company accept responsibility, not for the crop, but to the extent of the amount of money paid for the seed if immediately advised; or, seeds may be returned. We do not warrant in any way, express, or implied, the contents or the description, quality, productiveness, or any other matter of any seed and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned, and your money and transportation charges paid by you will be cheerfully refunded.

We Live Up to All of the Above
GURNEY SEED & NURSERY CO.

PREMIUM WINNERS AT STATE FAIRS FOR 1913**Colorado**

D. E. Boardman, Goodpasture, Colo.....\$47.00

This includes \$20.00 for the best display of vegetables exhibited at the Fair from any seed; vegetables grown from Gurney's seed won this premium.

Oregon

L. D. Westfall, Tualatin, Ore.....\$32.00

This also wins the \$20.00 cash premium for the best display of vegetables grown from anybody's seed and exhibited at the Fair. Vegetables grown from Gurney's seed won the first premium.

Nebraska

Arnold, Martin, DuBois, Nebr.....\$63.00

This includes the \$20.00 cash premium for the best display of vegetables exhibited at the State Fair. Won by Gurney's seed.

George Dirks, Bennington, Nebr.....\$12.00 | Ella Dixon, Marlbank, Nebr.....\$ 3.00

H. J. Dixon, Marlbank, Nebr..... 6.00 | Haven Arnold, Franklin, Nebr..... 6.00

Wyoming

M. W. Gitthens, Douglas, Wyo.....\$ 9.00 | Mrs. Alex. Ferguson, Douglas, Wyo.....\$ 3.00

Harry Gedney, Orin, Wyo..... 3.00 | Martin Person, Riverton, Wyo..... 6.00

R. A. Davis, Jirch, Wyo..... 6.00 | W. J. Booth, Hyattville, Wyo..... 10.00

Tennessee

Parks W. Walker, Buntyn, Tenn.....\$53.00

This also includes the \$20.00 for the best collection of vegetables, grown from Gurney's seed and exhibited at the Fair. In order to win this premium he also had to win the Society's premium of \$25.00 for the best display of vegetables exhibited at the Fair. The display grown from Gurney's seed won the premium.

Minnesota

C. H. Murphy, Caledonia, Minn.....\$24.00 | M. D. Hahn, Amiret, Minn.....\$30.00

Iowa

James Hethershaw, Des Moines, Ia.....\$48.00 | W. T. Otcheck, Grinnell, Ia.....\$12.00

Miller S. Nelson, Goldfield, Ia..... 6.00

Kansas

Paul Gilman, Leavenworth, Kan.....\$21.00

Maine

C. E. Baldic, Waterville, Me.....\$32.00 | Geo. Taylor, East Vassalboro, Me.....\$27.00

The Central Maine Fair, Waterville, Maine.

This includes the premium for the best collection of vegetables exhibited at the Fair, and grown from Gurney's seed. The exhibit has to win over all others exhibited. Gurney's seed won the premium.

E. S. Stevens, Unity, Maine.....\$ 3.00 | A. H. & D. W. Ellis, Fairfield, Me.....\$ 6.00

Geo. E. Files, Waterville, Me..... 6.00 | Cates Bros., East Vassalboro, Me..... 9.00

Michigan

A. W. Jewett, Mason, Mich.....\$18.00 | Alex. Wallace, Pontiac, Mich.....\$38.00

Ray J. Hayward, Bay City, Mich..... 27.00

Alex. Wallace wins for best collection of vegetables exhibited at the fair. Products of Gurney's Seed have won four years in succession in Michigan.

North Dakota

Helmar T. Bakke, E. Grand Forks, N. D.....\$18.00 | Mrs. Niel Norman, E. Grand Forks, N. D.....\$3.00

Wisconsin

Frank J. Lindley, Fox Lake, Wis.....\$39.00 | H. T. West, Ripon, Wis.....\$ 6.00

F. H. Raessler, Beloit, Wis..... 9.00 | A. D. Brown, Baraboo, Wis..... 10.00

L. Bamford, Plymouth, Wis..... 6.00 | Henry J. Schulte, Wauwatosa, Wis..... 20.00

This last premium of \$20.00 was for the best collection of vegetables exhibited at the Wisconsin State Fair in competition with all vegetables grown from all seed. Products from Gurney's seed won the premium.

Montana

Gust Siegling, Armington, Mont.....\$83.00

This includes the special cash premium of \$20 for the best collection of vegetables exhibited at the Montana State Fair. In order to win this he had to win over all competitors. Products from Gurney's seed won the premium.

Mrs. E. A. Johnson, Hamilton, Mont.....\$10.00

South Dakota

E. D. Cowles, Vermilion, S. D.....\$10.00 | Mrs. M. Andrews, Huron, S. D.....\$ 3.00

E. T. Burger, Huron, S. D..... 3.00 | W. S. Gray, Yankton, S. D..... 59.00

E. I. Underwood, Willow Lake, S. D.... 9.00

This last includes the \$20.00 for the best display of vegetables exhibited at the Fair and must win over all competitors. Gurney's seed won the premium.

WE WIN IN EIGHT STATES. NO OTHER SEED COMPANY IN THE UNITED STATES CAN SHOW SO MANY FIRST PREMIUMS FOR BEST DISPLAY OF VEGETABLES EXHIBITED AT STATE FAIRS IN THE UNITED STATES. OUR VEGETABLES WIN THE FIRST PREMIUM FOR THE BEST DISPLAY AT THE FAIRS IN THE STATES OF MAINE, MONTANA, MICHIGAN, NEBRASKA, OREGON, SOUTH DAKOTA, TENNESSEE, WISCONSIN.

Cts.

[illegible]

SOME NEW GOOD THINGS FOR 1914 AND SOME OF THE GOOD THINGS CARRIED OVER FROM LAST YEAR

GURNEY'S EVER BEARING RUST-PROOF BUSH BEAN

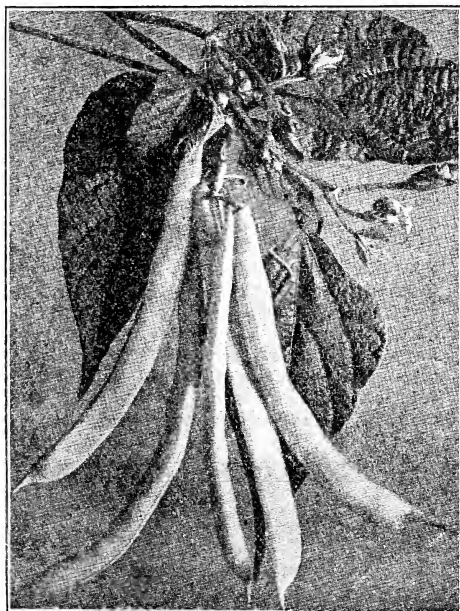
We offered this new Bean six years ago, and the way it has taken with the planters has been very gratifying to us. Three of the last five seasons have almost ruined other varieties of Beans with the rust. There has never been one case of rust on these reported to us and in our fields no rust has shown at any time, while other varieties, without an exception, have shown some rust and in some cases are entirely destroyed. The first picking comes about with Wardwell's Wax, and the same vines will furnish fresh string beans for at least six weeks. The pods are long and of much better flavor than any other Bean. It is a very strong grower, as you will see by the photograph, and is an abundant yielder. The color of the pod is a very light shiny wax; are very brittle and tender and free from fibre and absolutely stringless until ripe. This Bean has taken especially well with market gardeners, as well as private families, on account of its beautiful color, quality and ever-bearing condition. 1/3 pt., 15c; 1 lb., 30c; 1 pk., \$1.75; bu., \$6.00.



Venus, Nebr., March 27, 1913.

I received the 5 bu. of White-flowered Sweet Clover seed; it is the finest seed I have ever seen. Thank you for sending seed of such excellent quality.

LLOYD COATES.



Gurney's Ever Bearing Rust-Proof Bush Bean

HAS BEEN PLANTED IN OUR TRIAL GROUNDS INTERSPERSED WITH AT LEAST TWENTY OTHER VARIETIES FOR THE FIVE PAST SEASONS. IN THAT TIME IT HAS NEVER SHOWN A RUST SPOT IN THE POD OR LEAF. IN SOME CASES THE NEXT VINE TO IT OF ANOTHER VARIETY WOULD BE ENTIRELY RUINED BY THE RUST. ONE SEASON A FULL ROW ON EITHER SIDE OF THE RUST-PROOF BEAN WAS SO BADLY DAMAGED FROM RUST THAT THEY DID NOT MATURE A SINGLE POD. THIS IS SURELY A RUST-PROOF BEAN.

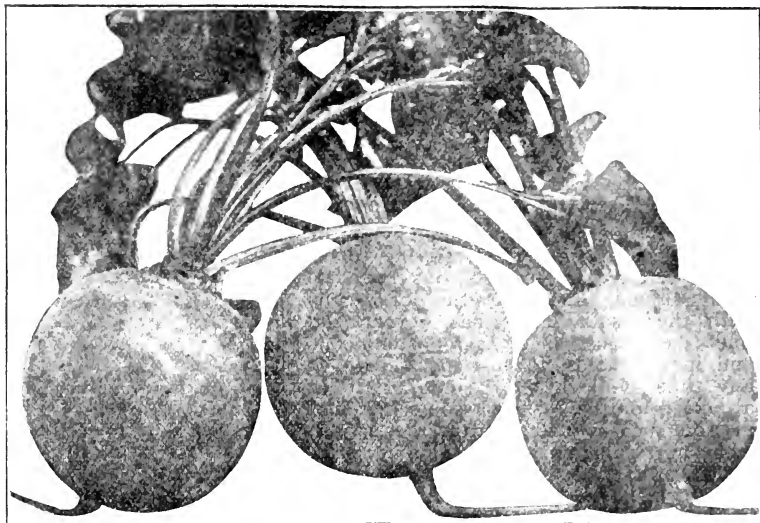
Beresford, S. D., March 24, 1913.

Enclosed order and draft for same. I have a Sapa tree I got from you two years ago as a premium. The Sapa has anything beat that I ever saw for bearing. I picked off 100 small green plums and left on 25 that matured and they certainly were fine. The tree is not over 5 ft. high. Hope I have as good luck with these.

FRED BOLLER.

Gurney's Early Model Globe Beet

A dark leaved variety of turnip rooted beet, differing from all other varieties in this respect; medium early, always very even in size, making it especially valuable to market gardeners for bunching. No other beet will equal it for the table. Pkt., 10c; oz., 20c; $\frac{1}{2}$ lb., 75c.



SOUTH AMERICAN MAMMOTH CORN



In 1909 we put in a small field of this wonderful Corn and exhibited at the South Dakota State Fair ten stalks and ears that weighed 82 lbs. The shortest stalk was 15 feet. This Corn matured with us at Yankton and we are offering it as a novelty for exhibition purposes in small lots only. Buy a package of this and astonish your neighbors with the large Corn that you can grow. Pkt., 10c.

Springdale Stock Farm,
Chaffee, N. D., Sept. 9, 1912.

I have your letter asking permission to use cut of postals showing South American Mammoth corn and will say that I will consider it a great favor to be represented in your catalog. I intend to cut some of the stalks as you suggest and perhaps show them next winter. I am experimenting with your August 15th corn and think it will be a good variety for this state. J. F. MARTIN.

Primitive or Husk Corn

All our cultivated varieties of Corn have sprung from this original Corn. The ears are of good size, frequently measuring ten inches. Each individual kernel is covered with a husk and all are enclosed in an outer husk like ordinary Corn. In some of the wild and uncultivated parts of South America and Mexico the Primitive or Natural Corn can still be found growing wild.

There are very few articles that will attract the attention in an exhibit that this will. In our exhibit at the South Dakota State Fair, 1909, we had this Corn on the stalk and ear, and it attracted as much attention as anything else in our exhibit. Pkt., 10c.

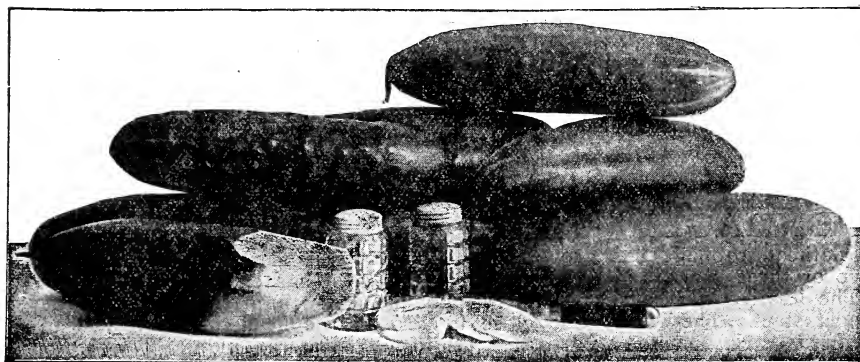


Gurney's Early Gold Lump Carrot

This new carrot is of French origin, is the brightest golden color, grows about three inches long and matures earlier than any other carrot grown. Market gardeners can safely discard all other extra earlier and plant largely of this. It is very uniform in size and color, consequently a money-maker, as there are no culls to throw out. Pkt., 10c; oz., 20c; $\frac{1}{2}$ lb., \$1.00.

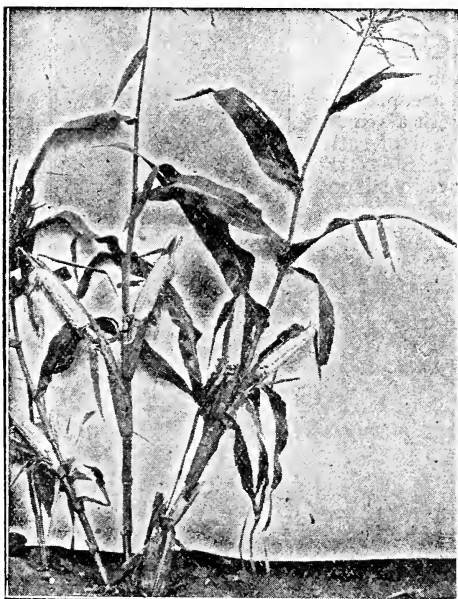


Davis Perfect Cucumber



We offered this cucumber first in 1908 and have had no reason to change our idea of its value since. The Davis Perfect Cucumber on our own grounds and other grounds where we have seen it growing has made the largest quantity of

perfect fruit of any cucumber grown. It loads the vines so heavily that it seems impossible for them to mature the fruit. At least 25% more fruit can be cut from them than from any other variety. Color dark green, shape nearly the same size from one end to the other. The Davis Perfect produces the smallest quantity of seed of any cucumber grown, which makes it especially desirable for slicing or sweet pickles. This is undoubtedly the leading variety. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.00.



Malikhof Sweet Corn

This photograph shows a single hill of this new, remarkably early Sweet Corn. It is a very prolific bearer of medium sized ears; very deep kernel and quality as good as most varieties of the late sweet corn. It can be placed on the market easily by July 1st. Is one week earlier than Peep-O-Day, and very much better quality.

This corn was secured by Prof. N. E. Hansen of the South Dakota Agricultural College, while in Russia for the department of agriculture. The seed of this valuable corn is grown by us here on our own grounds from the seed of the original introduction. Any person who fails to include at least one pound of this in their seed order is missing a big share of their early garden. You will be surprised at the way it will cut down living expenses. Market gardeners should plant this in large quantities for their first early. $\frac{1}{3}$ pt., 15c; 1 lb., 35c; peck, \$2.75; bu., \$6.50.

MORSE'S GOLDEN CREAM SWEET CORN

The demand for a genuine novelty could hardly be more completely satisfied this year than by the introduction of our "Morse's Golden Cream Sweet Corn."

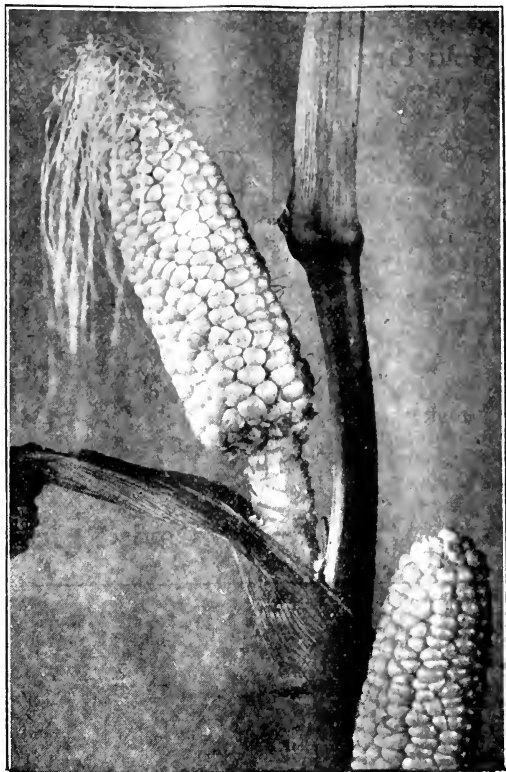
It is of California origin, resulting from a cross made by Thos. Gould, at Ventura, some five years ago—a cross of Country Gentleman on Golden Bantam.

Morse's Golden Cream is a very early, yellow Country Gentleman Sweet Corn. The kernels are long and pointed, the cob is very slender and the whole ear about as long as Golden Bantam. The flavor is remarkable—in fact very much the same as Golden Bantam. The habit of growth is rather dwarf and the stalks bear two to four ears. The stalks are brownish red and the silk is also brown at the tips.

The cuts herewith indicate that the corn is quite identical in appearance with Country Gentleman. It is, however, among our earliest varieties and the color at eating stage is a rich cream, cooking to a light golden yellow.

Morse's Golden Cream is one of the most distinct Sweet Corns sent out. It might almost be regarded as a freak on account of its novel features, but it possesses genuine merit in every essential.

Pkt., 10c; $\frac{1}{4}$ lb., 15c; 1 lb., 40c; 10 lbs., \$2.50.

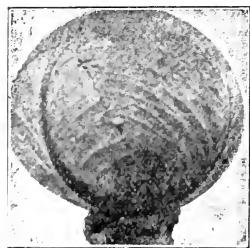


COPENHAGEN MARKET CABBAGE

This new, early flathead cabbage has grown into favor with the market gardeners very rapidly in the last two or three years, and the demand for this seed has exceeded the supply up to this season. The habit of this variety is its very compact growth, growing close to the ground on a very short stem. The leaves fold close up around the head, allowing you to grow more cabbage of this variety to the acre than anything else you can plant. The heads ordinarily weigh from eight to twelve pounds, are very solid—almost as solid as the winter variety, Danish Ballhead—but not the same shape. Their time of maturity is next after the Early Jersey Wakefield, and as they mature all at once it allows the crop to be harvested at one time, which is a great advantage to market gardeners who have to use the same ground over two or three times during the season. Pkt. 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

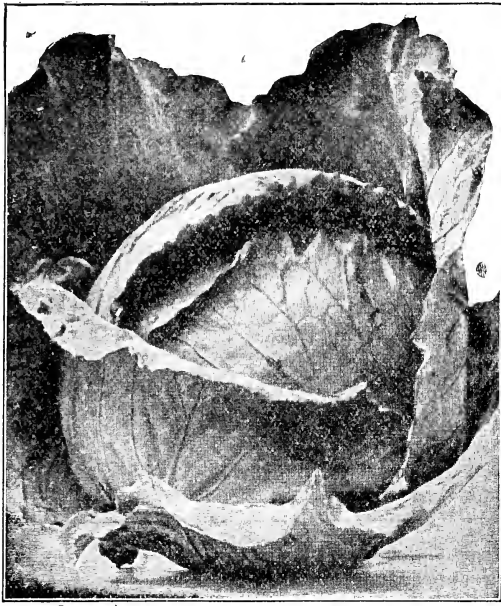
GURNEY'S EARLY BALL-HEAD CABBAGE

In offering this new early summer Ball-head Cabbage, we know that we are presenting the Cabbage growing public with a winner and a money-maker and a great deal of satisfaction. This Cabbage closely resembles the Danish Ballhead. The heads are perfectly round, good size, and mature just as early as Wakefield. They are exceptionally good keep-



ers and late plantings will keep equal to most of the winter varieties. We recommend this sort especially to market gardeners and for the home garden for both early and late and should be given a thorough tryout by all. We feel sure it will take the place of nearly all of the summer varieties, producing a greater per cent of solid heads than any of them, and on account of the small amount of foliage and the compact form in which it grows, can be planted much closer than other varieties. We are offering this to the public feeling sure that it is one of the very best articles in the vegetable line we have ever offered. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.00.





Enkhuizen Glory

Our several years' experience in growing this wonderful new cabbage only makes it appear more valuable to us each season. We sent out thousands of trial packages of this in 1907 and received hundreds of flattering testimonials from the growers. One Nebraska woman reports a wagon load from a teaspoonful of seed. A Dakota grower says 98% solid heads. It is larger than Wakefield. Enkhuizen Glory made, where reported, fully 90% solid heads. It is surely the most valuable early to mid season cabbage grown. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; 1 lb., \$2.50.

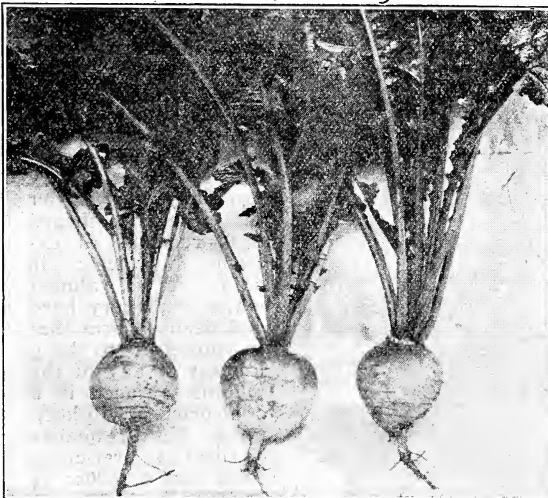
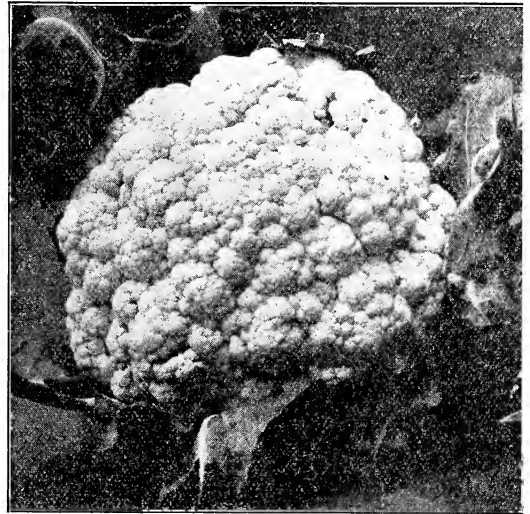
Grand Rapids, Minn., March 25, 1913.

You might send me seven bushels of your seed corn in the ear; I have had my seed from you the last two seasons and it has been very good. I want Minn. No. 13, or whatever kind in your judgment will be best for this climate. I want it for feeding in the shock and for silo filling. Also send me a Potato Cutter, the same as I got before.

WM. HOULIHAN.

Gurney's Earliest Market Cauliflower

This wonderful new short-stemmed, large-headed, heavy-leaved cauliflower was offered by us in 1910 for the first time, and we wish to say to all lovers of this delicious vegetable that you can grow these as easily as you can grow the cabbage. It is a sure heading variety, nearly every plant making a good, solid head. Is desirable for market gardeners on account of earliness and clear white color, which creates an unusual demand for it. Pkt., 20c; oz., \$2.50.



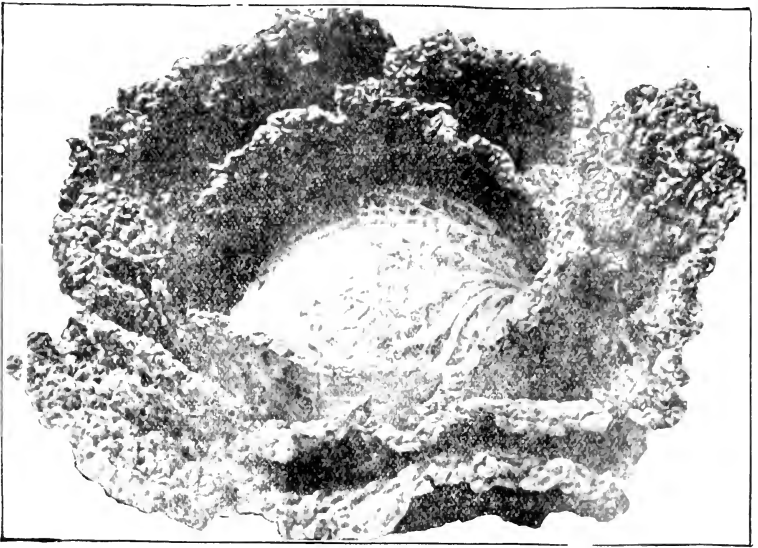
GURNEY'S PURPLE TOP WHITE GLOBE TURNIP

This is an all season's turnip; is sweet from the time it is large enough to use until the following spring; size above medium; heavy foliage, and the best turnip of all of them.

This new English turnip was brought from England by us three years ago and was recommended to us by one of the largest turnip specialists as the best ever originated. It has proven fully up to the originator's recommendation, and we urge all to give it a trial. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.00.

Gurney's Stonehead Riviera Lettuce

This wonderful new lettuce is of French origin and was introduced from there by us. Very hard headed, and the most long standing of all lettuces. Heads average size, closely folded, clear light green color, interior leaves blanching to a creamy white. Unequaled for late planting or in places where it will be very hot and dry. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c.



Gurney's Crisp as Ice Lettuce

Very Large, Extremely Crisp, Hard-heading, and Extra Long-standing

A most distinct and extra choice variety of the summer crisp-head type. Grows to a larger size, makes larger heads, is of more pleasing appearance and retains its crispness and mild flavor to a greater degree during the hot summer months than any other crisp-head variety. While especially adapted for midsummer, it is most desirable also for spring and fall, but it is not suitable for shipment to distant markets.

The plants are of quick, strong growth, attaining a diameter of twelve inches with good cultivation. The leaves are of a soft bright green, growing closely around the head. The heads are tightly folded, six to eight inches in diameter, blanching to a silvery white and nearly as crisp and brittle as celery. Per pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

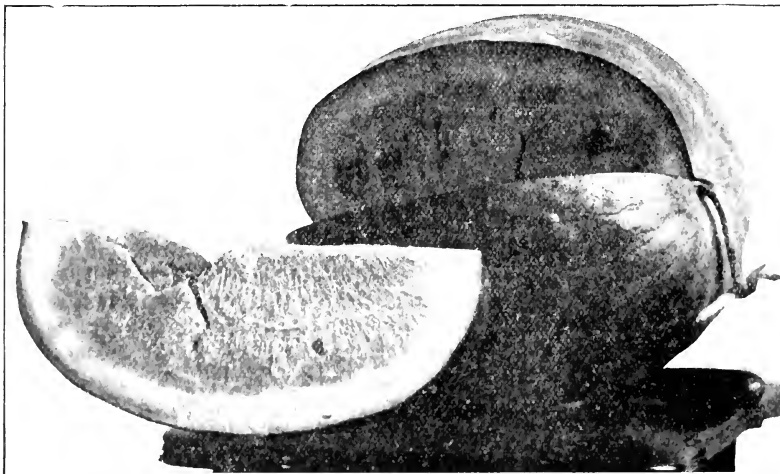


May King Lettuce

The plants are of quick growth, practically all head and extremely handsome. From early spring plantings in the open ground they grow quickly to a diameter of six to seven inches with the broad, light green outer leaves folding closely about the round solid head; in cool weather the edges of these outer leaves are lightly tinged with brown. The inner leaves (practically the entire head) are blanched to a rich golden yellow and have a **specially fine, rich buttery flavor**. The round solid heads are so firmly folded that they can be shipped

to distant markets and arrive in good condition. We recommend repeated plantings of this new early variety in the spring and again during August and September for fall use. Per pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$1.30.

Winter Watermelon



For a number of years we have been trying to get a melon that would keep longer than any other melon and still retain its quality. We have found this in the new early winter watermelon. It is a very prolific bearer, earlier than the Sweetheart, flesh red and of extreme firmness; in color it is almost white, rind very hard and flesh so firm that it causes it to keep longest of any of the melons. Placed in a cool place it will keep up to Xmas; quality strictly first-class. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Tom Watson

It is not often that any melon will jump from the unknown to the most popular melon grown in a short period of four or five seasons. The Tom Watson is a melon of that type; it is one of the very best shippers of the long melons, and one of the best quality. The melons will grow to a length of about two feet, and about one foot in diameter. The rind is a dark mottled green, thin, but tough enough to endure shipping to any distant market. Of the long shaped melons it is the best shipper of any. The flesh is deep red and comes very close to the rind. We consider this for quality equal to any of the melons, and it sells readily on the market when there is no demand for others. Pkg., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 80c; 5 lbs., \$3.00.

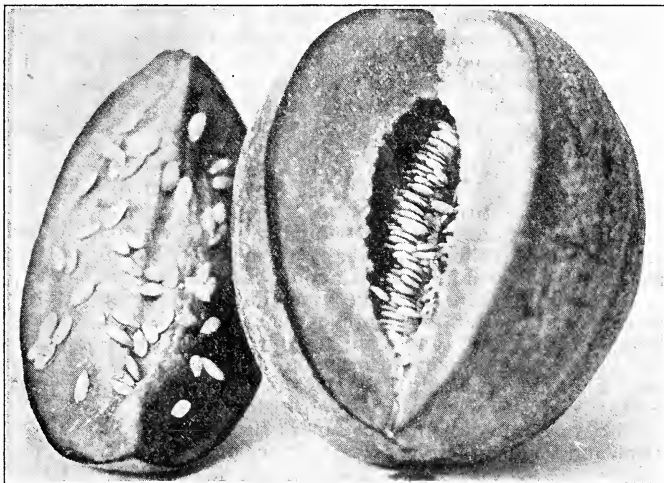
Grand Muskmelon

This splendid new melon is a sport from the Osage, which it resembles in quality, but differs somewhat in color and markings and is more uniform in size. It is at least ten days earlier than Osage, has a more vigorous vine, and because of its vigorous growth a greater yielder. The fruit round or slightly elongated, slightly ribbed. Color a peculiar pea green, flesh, rich salmon or red color. In flavor it surpasses the best grown Osage or Emerald Gem. The flesh extends to the rind and retains the color and quality quite to the outer shell, which though thin is very hard and firm, and because of this bears shipment remarkably well. The flesh is very thick, considering the size of the melon, leaving a small seed cavity. This melon was originated in Jackson County, Michigan, and with repeated trials beside the Osage for the last five years it has proven a more profitable melon for the market. The bushel crates will weigh five pounds heavier than the Osage, which shows that it is a much thicker-meated melon. Pkt., 10c; oz., 20c; $\frac{1}{2}$ lb., \$1.20; 1 lb., \$2.25.



Davis' White Seeded Muskmelon

We listed this melon in 1911 for the first time and recommended it highly on account of the good showing it had made in our trial grounds in comparison with other melons. Last season we said this was the best quality of any of the muskmelons yet introduced. The year before that we said that the Grand was the best. This is much better than the Grand, and one more year's general trial over the country has convinced us that it is the best all-round, home and shipping melon yet introduced. This is the only white-seed muskmelon, as all other muskmelons produce a yellow seed only. The originator of this melon, Mr. Davis, of Michigan, is the originator of the Gardener's Perfection Cucumber, Grand Muskmelon, and numerous other standard best vegetables. A report from one of our growers in western Nebraska tells us that the White-seeded was the earliest muskmelon of any that he planted this past season, coming in two weeks ahead of the Osage and produced more melons to the vine that were marketable than any other melon he has ever grown, and the quality was all good. In most melons you will find sometime during the season lots of melons of poor quality; with the Davis White Seeded they are all alike, both for size, color, quality, and the immense number borne on each vine. We are advising this season that everyone plant plenty of the Davis White Seeded melon; it is surely the best for all purposes and you will not be disappointed with it. We can only offer a limited amount of the seed again this season; it will have to be sold in packages, ounces, and quarter pounds. Pkg., 15c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.



I have received seeds and plants twice from you this spring; all doing fine. I want one of the Skuya Plums; you can send this with the Evergreens.

Waterloo, N. Y., April 22, 1913.

MRS. J. LAW.

Casabas or Winter Muskmelon

The great markets in American cities make strenuous demands upon the productive ingenuity of the plant wizards of the world to produce fresh table fruits and vegetables for every day in the year. With the development of the new Casabas it has made it possible to have one of the most delicious melons for your Christmas table that you could have at any time of the year. The Casabas should be planted as early as possible in the spring, should be picked before fully matured and packed away in a cool and well ventilated shed or packed in straw under a tree where they will become slightly soft. When there is danger of freezing outside they should be removed to the cellar or packed with enough hay or straw around them to prevent freezing; in this way they will keep nicely to mid-winter. It generally requires from four to six weeks after picking the melon before they are in good condition for eating.

The Improved Hybrid should be taken off the vine as soon as you have had the first frost, stored in your cellar or some shed and allowed to remain there until the rind is creamy color and you can make an impression with your thumb, when it is ready to eat.

The Santa Claus, Winter Pineapple and Golden Beauty should be allowed to remain in the field long after the first frost, until all the vines have been destroyed or even until the thermometer gets down to about 28 degrees. Frost does not hurt these melons, but they must not be allowed to freeze. When you think it is no longer safe to leave them in the field, harvest them even though they are not more than half grown, and they will ripen into good melons.

Winter Pineapple Casaba.—Early, round, medium size, color of skin, green; flesh yellow, extra good quality. Pkg., 10c.

Golden Beauty.—Has evolved from a sport of the Winter Pineapple. This is the same as the Winter Pineapple except its golden colored skin and size. Pkg., 10c.

White Favorite.—This is more on the order of the ordinary muskmelon though it is a true Casaba; it is a delicious melon and sells readily along with the ordinary muskmelon. It should be planted, grown and marketed in the summer the same as any muskmelon. Pkg., 10c.

Improved Hybrid.—This melon is a cross between the Winter Pineapple and some muskmelon—presumably the Hackensack. This is not a good shipping melon but on account of its very delicious quality it is an excellent home melon. This melon should be ready for the market by the first of September, but do not attempt to eat it until it becomes soft and mellow as you would not get the delicious flavor. It is too soft for shipping any great distance. Pkg. 10c.

Santa Claus Melon

"Just think of having a melon to eat with your Christmas dinner! But this is what is claimed by the originator of this wonderful novelty, and that there is nothing more delicious to send to our eastern friends for a Christmas present."

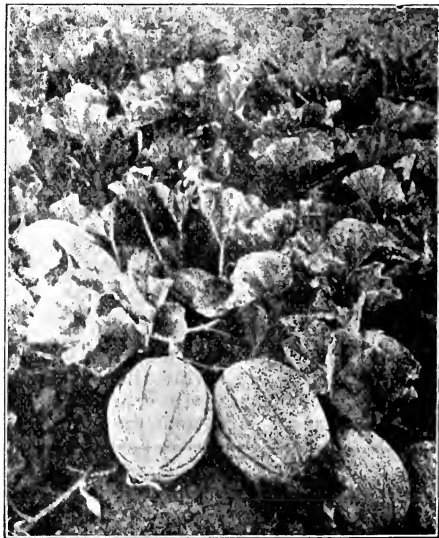
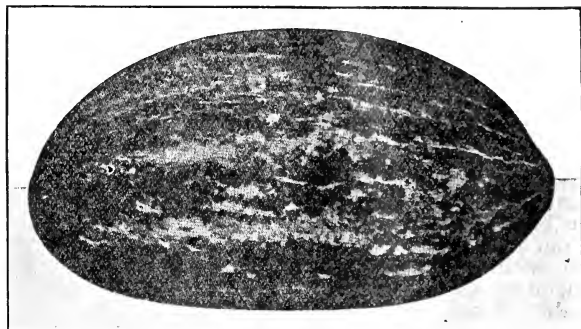
It was originated in California. The rind has the appearance of the mottled Pomegranate Muskmelon. The shell is hard and about one-eighth of an inch thick. There is no seed cavity. The seeds are embedded in a jelly-like pulp. The light green flesh is absolutely stringless; its flavor excels anything in the melon line; it is in a class by itself, and is beyond description. One melon laid on the desk of the introducer's office from October to February 14 and when cut was pronounced the best of the entire season.

Plant the same time you would any muskmelon. When the under side of the melon becomes a golden yellow it is ready to take off, but do not pull it off, cut the stem about three inches from the melon, as this avoids the tendency it has to rot from the stem end.

When first taken from the vine the rind is crisp and very hard; after four or five weeks there is less crispness to the touch and a slight giving way to pressure, but anything like softness indicates over-ripeness. This melon should become more popular than the Rocky Ford, because it is more delicious and it is a Christmas melon. Our customers should give this a trial and report their success. Price, per pkt., 10c.

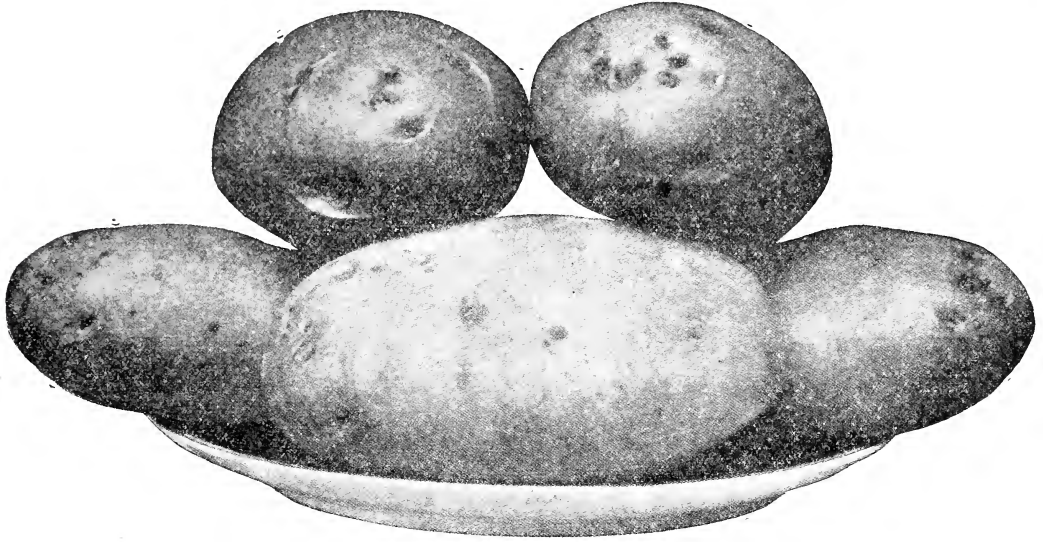
Gurney's Enid Muskmelon

Our description of this extremely valuable new melon when it was introduced by us in 1908 was as follows: This new and valuable muskmelon originated in Enid, Oklahoma, and is certainly the best of all melons for home use or market gardeners. It is one-half larger than the Rocky Ford, one week earlier and twice as good. Color and shape the same as Rocky Ford, abundant bearer and an excellent market melon. Every word of this has proven true, and more. The market gardeners who tried it last year all speak highly of it. H. W. Shipton, one of Yankton's best gardeners, says it was better than any other melon planted by him. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.



Shenandoah, Iowa, Dec. 5, 1913.
 Last year I purchased a peck of "Gurney's White Harvest" Potatoes. They made a splendid yield, won second prize at Page Co. Fair, 1912. Saved the best and planted in 1913, made a good yield and were ready for use by the 4th of July. Exhibited at 1913 Page Co. Fair and won first prize. Took them to Iowa State Fair and won second prize.

FRED HOOD.



GURNEY'S WHITE HARVEST POTATO

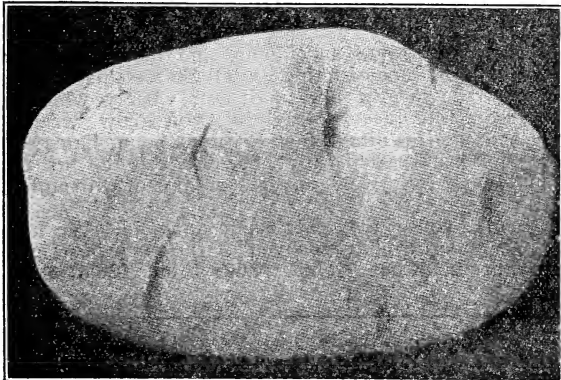
A grand early white Potato for the millions, for the large grower, the market gardener and the home gardener; satisfaction to all. Still more satisfaction when it reaches the table. Quality the best, season the earliest. We believe it to be the earliest Potato in existence. New Potatoes with your Fourth of July celebration. It has outyielded the late varieties and is certainly just what you are looking for. Have you ever tried to have the first new Potatoes in your neighborhood? Has the neighboring housewife ever informed you with a bright smile about the first day of July that she has new creamed Potatoes for dinner, and did you go out into your own garden to see if you could do equally well, but found nothing larger than marbles? Get the new **White Harvest** Potatoes and get the best of her by several days this season. You can do it; we will help you. We have helped you by offering you this wonderful early Potato. Per lb., 30c; 3 lbs., 75c; postpaid; pk., 80c; bu., \$2.25; barrel, \$5.50.

Ten Tons Per Acre

Pennington Co., S. D., Oct. 26, 1913.

The **White Harvest** Potatoes purchased from you made over ten tons per acre (333 bushels).
 J. H. GILBERT.

California Golden Russet Potato



If you grow potatoes for the satisfaction of eating them, or grow them to sell, expecting to give satisfaction to the purchaser, you should grow California Golden Russet. In quality it is undoubtedly the best, medium size, oval in shape and very seldom any small potatoes. Eyes are level with the skin, cooks easily and is especially nice for baking purposes.

Our seed of this excellent variety was secured from the University of Minnesota and is absolutely pure. It yields equal to any of the standard varieties. It has never been troubled with scab or other potato diseases. Special prices on large lots. Peck, 60c; $\frac{1}{2}$ bu., \$1.00; bu. crate, \$1.75.

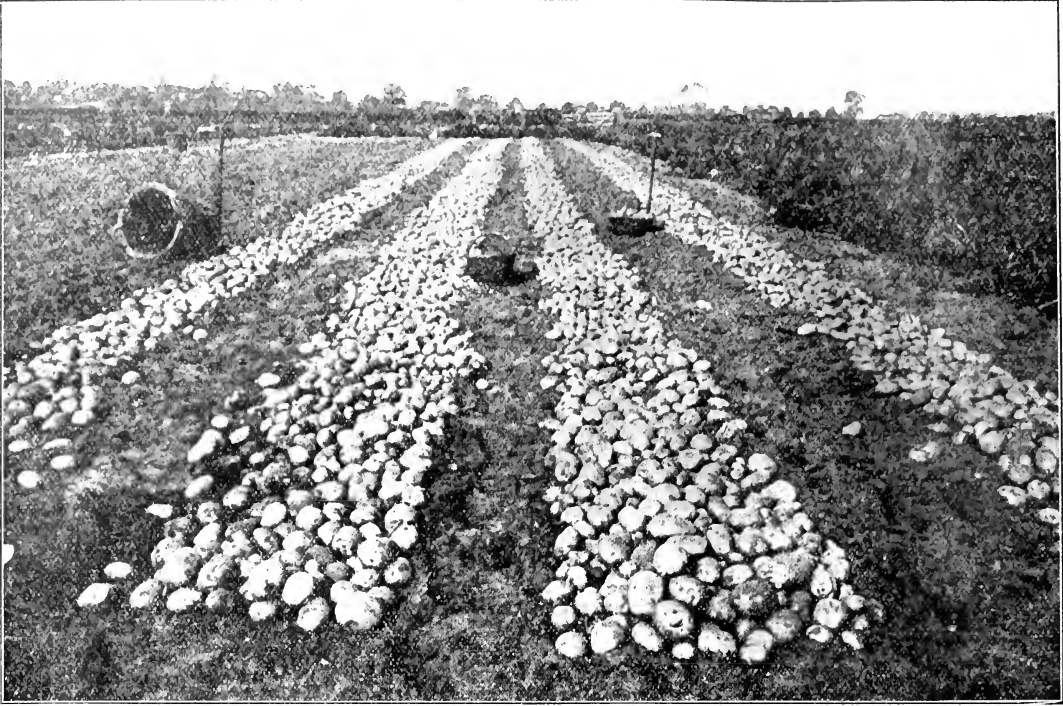
Doran, Minn., May 10, 1913.

Thanks for the excellent stock, which reached me in fine condition. I am more than satisfied with the way you filled my order.

MINNIE VOCKS.

Gurney's Bugless Potato

The first year we tried this **Bugless Potato**, our friends laughed at us, the next year the laugh was on them. This year we are happy together as we are all growing the **Bugless Potato**.



Gurney's Bugless Potato

Three years ago this potato was brought to our notice and we immediately took samples and placed them in our trial grounds with some thirty or forty other varieties of potatoes, and watched results. When the old bugs first appeared on the vines there seemed to be equally as many on the Bugless variety as on the others, and then our friends did laugh. The old bugs deposited their eggs on the leaves as they did on other varieties, but during the season we did not see any damage by the new bugs, or any sign of the new bugs on the Bugless potato, while serious damage was being done on all other varieties. The report for 1913 is simply a repetition of the 1911 and 1912 reports. We have examined such other fields of these as were grown in this part of the country and in all cases the report was the same, they were bugless. Remember, we do not guarantee these potatoes are absolutely immune from damage by bugs, but we do guarantee that for three years, three of the worst bug years we have known, the **Bugless Potato** has come through it without any spraying or doctoring of any kind and has been free from damage by potato bugs. The potato itself is an exceptionally handsome one, large, white, firm, a good keeper, and an immense yielder. Eight hundred and thirty-three bushels from three acres this year.

\$10.00 Cash Premium

The bugless potato produces some very large, handsome specimens, and as we have in mind a car exhibit of products of Gurney seed to be taken over the United States this coming year, we are giving a cash premium of **\$10.00** for the largest potato of this variety which is mailed to us previous to November 1st, 1914. Select the finest potato that you grow, wrap it carefully, place it in a box or some receptacle so that it will reach us without being damaged, and each potato will be weighed carefully, the weights recorded, and the one sending us the potato of the greatest weight will receive our check for **\$10.00** on the 1st day of November, 1914.

None of them hollow, as we have tested them through from both side and end. We have cooked these large ones, both baked and boiled, and they have proven of the very best quality. 1 lb., 40c; 5 lbs., postpaid, \$1.50; 1 pk., by express, \$1.50; ½ bu., \$2.00; 1 bu., \$3.00; 5 bu., \$12.00.

Garnavillo, Ia.

I am sending you an order for ten Beta Grape Vines; these were ordered by friends who saw the Beta Vines I got of you and planted in 1911; they made a wonderful growth of over ten feet the first summer, and the growth last summer was immense, surprising everyone who saw them. One vine had over thirty bunches of fruit and proved true to name. I bought six vines of another firm at the same time; one fruited and turned out to be a white grape; none grew like yours.

W. A. KREGEL.

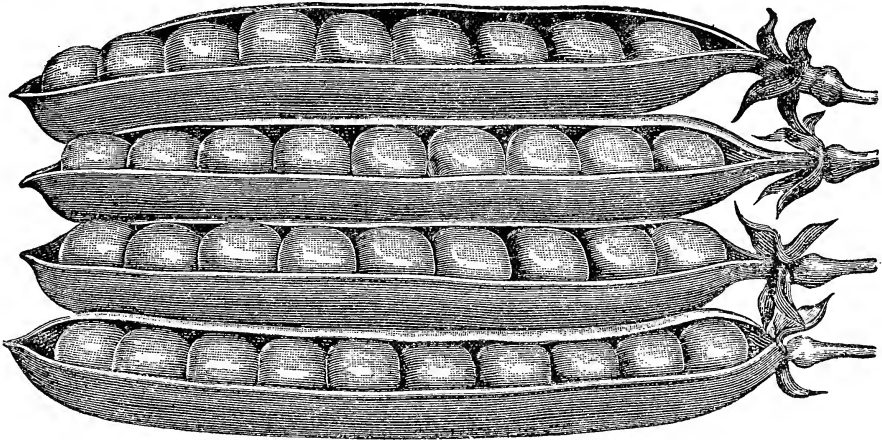
Sugar Peas, Henry's Early Prolific

From Holland. This is the most delicious of all the edible podded peas and will be appreciated them through from both side and end ere has been an immense demand in the last few years for the sugar or edible podded peas and we have been unable to supply the demand on any variety. We are in hopes that we will have enough of this variety this season to run us through. $\frac{1}{3}$ pt., 15c; $\frac{1}{2}$ lb., 25c; 1 lb., 40c; 10 lbs., \$3.00.



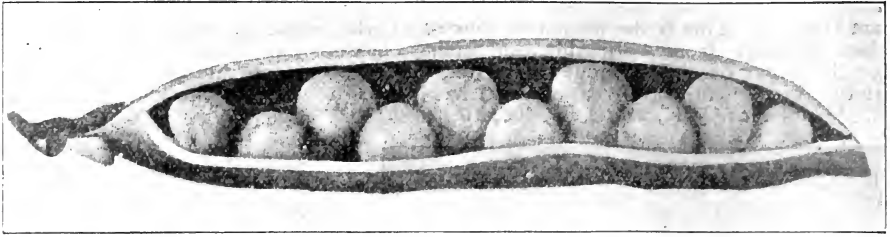
SAXONIA, GRAND NEW EARLY GERMAN PEA

A great acquisition to the extra early Peas. It is early maturing, especially large pods and wonderful producers. Height about 18 inches. Does not need staking on account of its remarkable stout vines. In introducing this new Pea we do it with a feeling of pleasure, as it is always a pleasure to introduce something that we know absolutely is better than the old standard variety. You will notice from the picture that the vines are full. This is from an actual photograph and not taken in any favored spot. They are all alike. They have exceptionally large pods for an early Pea, producing from 7 to 10 Peas in each pod. We want to impress on you just as strong as possible three of the distinctive merits of this Pea. Its extreme earliness combined with its exceptional quality and immense productiveness. For a great many years the great German gardeners have made a specialty of improvement in the Pea line. Just as we in this country have been improving Corn. They have succeeded beyond us; we suppose on account of more painstaking methods used in the older countries, and are offering this Pea with their and our assurance that it heads the list. Pkt., 10c; $\frac{1}{3}$ pt., 20c; $\frac{1}{2}$ lb., 30c; 1 lb., 50c.



Yankton Maincrop

We sent this pea out the last four seasons as one of our specialties and it has more than redeemed itself. We counted pods this summer on our trial grounds containing twelve large peas, and there were none of better quality. The leaves are very large and leathery; the vines grow about two feet high, and are remarkably productive. As one of our lady customers wrote us, "I have never been able to grow peas enough for the family before, but this year with your Yankton Maincrop we have had a great many more than we could use." $\frac{1}{3}$ pt., 15c; 1 lb., 40c; peck, \$3.00.



Alderman Pea

This new pea was imported by us from England two years ago and we found it in many respects the very best early main crop variety of the Telephone type. Pods very large, long dark green, similar to the Duke of Albany and about the same season. The peas are of largest size and unsurpassed in quality. Market gardeners are demanding the large podded dark colored sorts which retain their fine color even after shipping a long distance. The Alderman meets these requirements, and, furthermore, is the most productive variety of this class. We recommend it especially for the market gardener and home market. $\frac{1}{3}$ pt., 15c; lb., 40c; pk., \$3.00.

SCHELL'S NEW QUALITY PEPPER

WONDERFULLY PROLIFIC

You will be interested in this New Pepper I am sure. It is without question one of the most valuable new varieties ever offered the market gardener. It is tremendously prolific, the plant photographed contained **thirty-eight** perfect peppers. It has a beautiful, attractive shape, which makes it sell on sight, while its superior quality (almost as sweet as an apple) backs up its attractive appearance.

As to size, it averages five inches in length, three and one-half inches wide at the stem end and two and three-fourths inches at the other. It is the most prolific pepper ever grown in this locality. This **New Quality Pepper** was originated by one of our largest and most successful gardeners, Mr. Herman Martin, who with all the other gardeners here has been growing it as his best crop for a number of years. A prominent grower well-known to all the seed trade wrote me—"Your **Quality Pepper** is **The Pepper** for the market gardener." Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 70c.



Gurney's New Leafless Radish

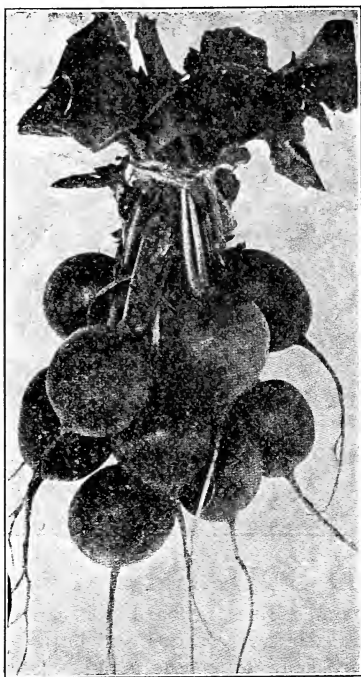
This new valuable early radish was sent out by us three years ago for trial only and has proven to be the earliest of any radish grown, in some cases making a radish one inch through in sixteen days from planting in the open ground and has only two or three leaves, hardly more than one to one and one-half inches long. For forcing in hot-beds or under glass there is no other radish that will equal it. Each seed will make a radish, and on account of its almost leafless condition they can be planted closer than other radishes. Quality is the very best, shape perfect globe and color the brightest scarlet. The seed of this variety will always be high-priced, as it produces very few seeds, throwing up very short seed stalks with very small pods. Well filled pkt., 15c; 2 pkts., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.20.

LIVINGSTON'S NEW CORELESS TOMATO

Livingston is the introducer and originator of more of the standard good tomatoes of today than all other originators combined. Such varieties as Beauty, Globe, Triumph, Favorite, Perfection and others are from Livingston. In the introduction of this, his latest, the **New Coreless**, he has given us a tomato for the main crop that is far superior to anything he has previously introduced and one that will take the place of most of the old sorts. The seed supply of this variety is very limited and we are only able to offer it by the package this season. Pkt., 10c; oz. 40c.

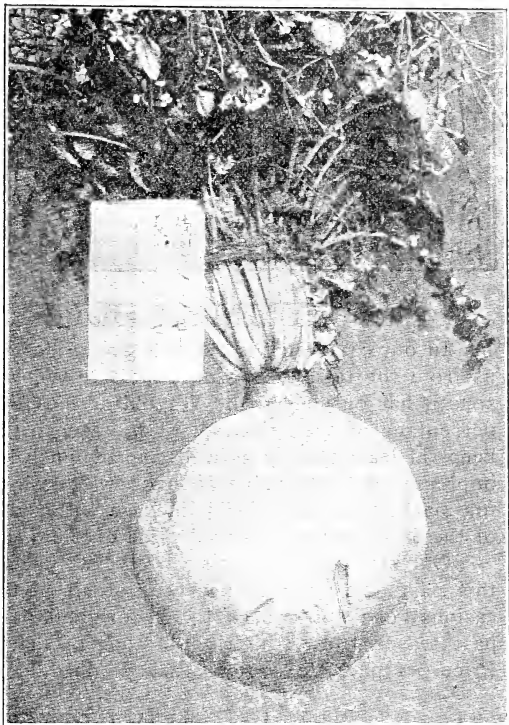
Gurney's Extra Early Scarlet Globe Radish

In offering this Scarlet Globe Radish to the public, we know we are offering the very best radish on the market. It is earlier than any other market variety, and the quality is so crisp and sweet that it always creates a demand for more. It is especially valuable for early planting in hot-bed or first outdoor planting. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.50.



Sakurajima Mammoth Winter Radish

This monstrous Japanese winter radish is a wonderful grower. We exhibited specimens at the South Dakota State Fair that measured six inches through and nearly four feet long, retaining the size from almost top to bottom. The flavor is as mild as any of the winter radishes and keeps perfectly through the win-

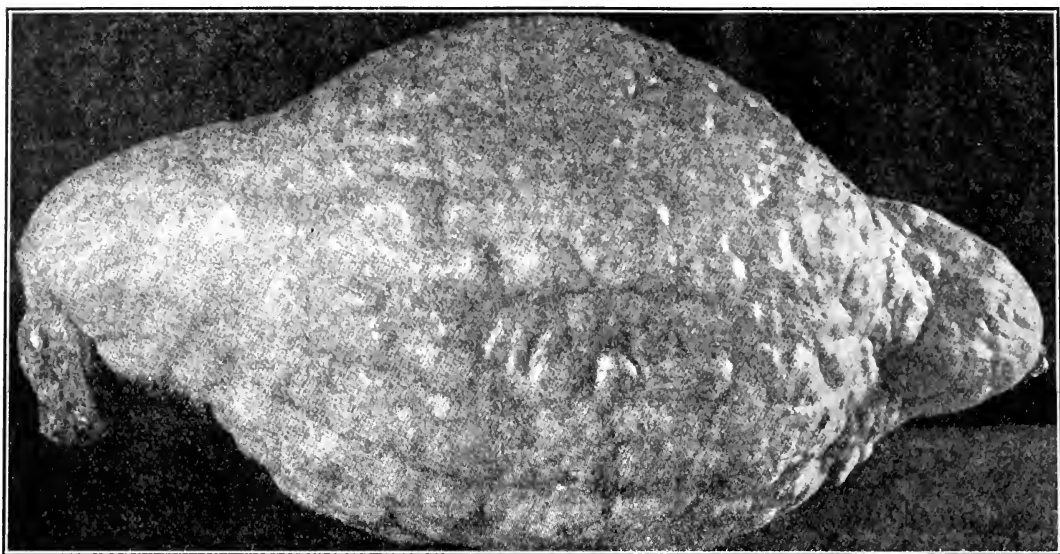


ter. The color is almost transparent white. The flesh is very crisp and juicy. To get best results these should be planted about July 15th and dug before freezing weather and packed in the cellar in sand or dirt, and used as wanted through the winter. They will keep perfectly until spring. This is another wonderful vegetable from the Flowery Kingdom, that gives us so many surprises in both vegetables and beautiful flowers. See how large a one you can grow. Pkt., 15c; 2 pkts., 25c

RUTABAGA

Krasnoselski Russian Rutabaga

On our trial grounds for past three seasons this gave the best satisfaction and produced the largest yield of any of the rutabagas. On account of the dry, hot weather, most varieties became hollow and strong. This was solid entirely through the season, making an extra large percentage of good-sized rutabagas, bright yellow in color and of excellent quality for table use. This will take the place of the older varieties on account of the increased yield and quality of the fruit. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.40.



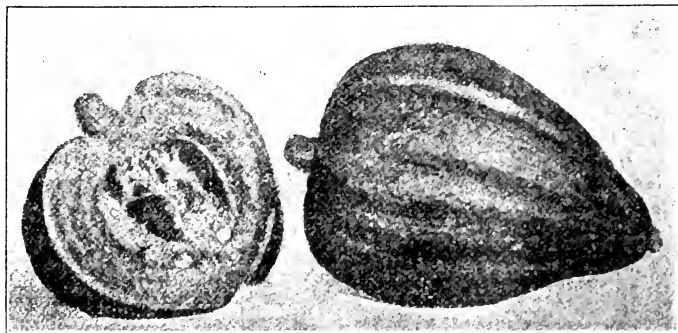
SYMMES BLUE HUBBARD SQUASH

In our catalogue of 1912 we gave a description of the Symmes Blue Hubbard as it came to us from the introducer's description. We have grown this squash two seasons and both seasons it has outyielded the Warty or the True Hubbard 50 per cent, giving us a much larger percentage of even size, very large squash than either of the other varieties and a squash that keeps at least equally as well, and of much better flavor than the old Hubbard. We are so much impressed with the value of this new squash that we believe it will outrank all other varieties for market purposes and home use within a very few years. We are showing on the inside of the front cover a colored plate of the Symmes Blue Hubbard.

Our stock seed of this variety has been saved each season from the bluest specimens and this past year over 98 per cent of all of the squash in our fields was true blue; only an occasional one going back to the original parentage. Reports of yields of this variety in the past season run as high as 15 tons of marketable squash per acre. This is an immense yield. Price per package, 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.00.

DELICIOUS SQUASH

For a quarter of a century the old HUBBARD squash has been considered the best. When introducing a new variety, it was generally compared with HUBBARD. In comparing this new squash with the HUBBARD we can safely promise you a squash of much better flavor, better keeping qualities, but a very poor yielder of seed, the cavity being very small. In size it weighs from 8 to 10 lbs. The color is almost uniformly of a green shade. Color of the flesh dark orange, and for table use no squash compares with it. In its remarkable combination of fineness and compactness of grain, dryness, sweetness and exceeding richness of flavor, it is equal to the very best sweet potato, being very dry and when baked separates from the shell of its own weight. It is a fall and winter squash, being excellent in all seasons, but does not acquire its best quality until winter. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.20.



New Delicious Winter Squash.

Delicious Squash—One of our customers in Rock County, Nebr., writes us regarding this squash: "I put 50 Delicious in the cellar for winter; had one for dinner, and immediately went out and put in 50 more. They beat the Hubbard, and that is saying a good deal."

STANDARD VEGETABLE SEED, 1914

On the preceding pages we are offering you a number of the new vegetables that are termed by most seedsmen "novelties." We have been very careful in the selection of these, trying them out thoroughly on our own grounds, and are satisfied that each and every one of them are the very best that has been produced.

In the following list of vegetables we are offering the best standard sorts, and those that have given satisfaction, some for as many as fifty years, and are still standard. We have been very careful in making the selection of standard sorts, knowing that in order to succeed we must please our customers, and we believe we have done so.

Artichoke

Mammoth Globe—This artichoke is cultivated for its flower heads, which are cooked like and resemble asparagus. Seed planted in any soil and plants slightly covered in winter will remain in bearing several years. Pkt., 10c; oz., 35c.

Artichoke Roots

Jerusalem Artichoke—Distinct from the Globe, and propagated by and for its tubers. Plant in rows 3 feet apart and 12 to 14 inches apart in the row, and cultivate occasionally. Let tubers remain in the ground until needed. Used for pickling and for feeding stock. Price of tubers: Qt., 25c; peck, \$1.25; bu., \$4.00. (2 lbs., by mail, 50c.)

Asparagus

Sow in early spring in drills two inches deep and one foot apart between rows. After the plants are one or two years old transplant them into permanent beds. Set them 15 inches apart each way and cover four inches deep. Manure plentifully each fall, to be forked in very early in the spring, after which sow on a good dressing of salt. One oz. to 50 ft. of drill.

Columbian Mammoth White—A distinct variety of strong, vigorous growth, producing large, white shoots that remain white as long as fit for use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Conover's Colossal—A standard sort of large size, tender and excellent quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Delicious Asparagus

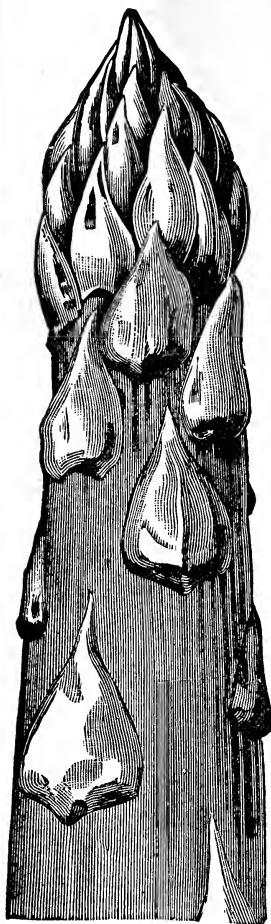
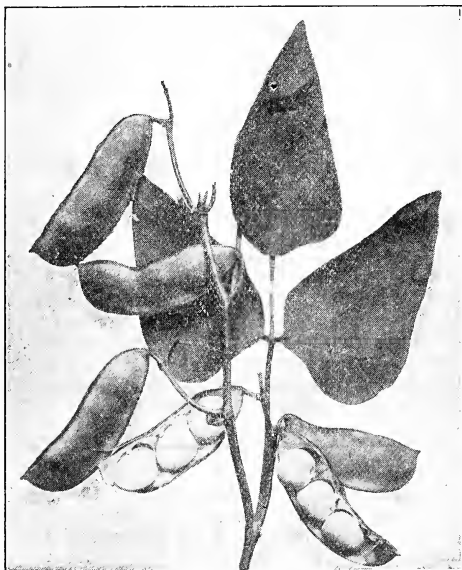
Use only young, tender stalks, cut even with the top of the ground; cut into one-half inch lengths, cover with boiling water and cook three minutes; drain, cover with fresh boiling water, and cook from thirty to forty minutes. To one pint of asparagus add a heaping tablespoon of butter, one pint of milk, and salt and pepper to taste, allow the milk to come to the boiling point, and serve.

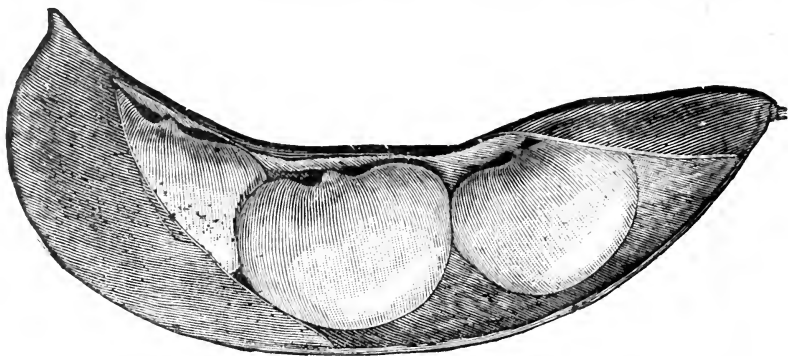
BEANS

Dwarf or Bush

Plant as soon as danger of frost is past, in light, warm soil, in rows two feet apart, three inches apart in the rows. Keep well hoed and draw the earth up to the stems, but do not hoe when wet, as it will cause them to rust and injure the crop. Plant every two weeks until about the middle of August for a succession. One quart to 100 feet of drill.

Improved Henderson Bush Lima—This is the very early Sieva or Butter Bean of the South. The pods are ready for use a week earlier than those of Burpee's Bush Lima and the plants are immensely productive. When gathered young the beans are of excellent flavor. 1-3 pt., 10c; lb., 25c; pk., \$1.85; bu., \$7.50.





Bush Lima (Burpee's)—The true bush form of the old, large Lima Pole Bean. It grows vigorously to a height of 18 to 20 inches, forming a circular bush, 2 or 2½ feet in diameter, requiring no poles or stakes, yielding from 50 to 150 fine pods, similar in size and quality to those grown on the large white Lima Beans. ⅓ pt., 10c; lb., 25c; pk., \$2.00; bu., \$7.75.

BEANS

Green Podded Varieties

Stringless Green Pod—Is entirely stringless; as early as the other green podded sorts, and remains tender and crisp longer than any of the old sorts. The pods are of a pale green color, round and of good substance as well as fine flavor. Seed dark brown. ⅓ pt., 10c; lb., 20c; pk., \$1.40; bu., \$4.50.

Improved Red Valentine—A very popular early, prolific variety; the pods are remarkably fleshy and tender, remain a long time on the plant without becoming hard. Seed mottled, light and dark brown. ⅓ pt., 10c; lb., 20c; pk., \$1.25; bu., \$4.50.

Long Yellow Six Weeks—Pods are flat, six inches long, light green, are excellent for cooking green or dry. ⅓ pt., 10c; lb., 20c; pk., \$1.25; bu., \$4.50.

Navy Bean—A great many people know what they suppose is the Navy Bean, but is generally a mixed, uneven bean that cooks uneven and lacks quality. Our Navy Beans are grown for us in Michigan; are absolutely pure and hand picked. You will not find a bad bean in a bushel. Per lb., postpaid, 20c; pk., \$1.00; bu., \$3.50.

Pole or Running Beans

They are more tender and require more care in culture than the bush beans and should be planted two weeks later. Plant in hills from three to four feet apart; plant five or six beans in a hill, leaving a space in the center for the pole.

Large White Lima—Pods broad and rough. Seeds large, broad and white. ⅓ pt., 10c; lb., 25c; pk., \$1.50; bu., \$5.50.

Early Golden Cluster Wax Pole—This variety takes the lead of all Pole Beans, in earliness, coming into use a week or ten days later than the Dwarf Golden Wax. It is crisp and tender. ⅓ pt., 10c; lb., 30c; pk., \$2.00; bu., \$7.25.

Wax Podded Varieties

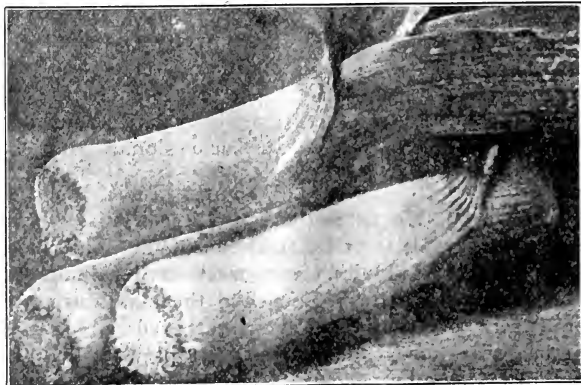
Davis Wax—Plant healthy, compact, upright growth, carrying its pods in the center and well up from the ground; gives a large yield of handsome pods, long, flat, clear waxy white, and do not stain in canning. The dry beans are large, pure white. ⅓ pt., 10c; lb., 25c; pk., \$1.75; bu., \$6.00.

Golden Wax—The earliest and most popular bean on the market; pods good length, flat, quite thick and broad; entirely stringless, of a clear, waxy, golden yellow; fine buttery flavor. Hardy and productive. Seed white, mottled red and purple. ⅓ pt., 10c; lb., 25c; pk., \$1.60; bu., \$5.50.

Challenge Black Wax—An extra early strain of the old Dwarf Black Wax. This is the first sort to give a full picking; pods clear waxy white, round, fleshy, tender and stringless; productive and a popular variety. Seed jet black. ⅓ pt., 10c; lb., 25c; pk., \$1.60; bu., \$5.50.

LEEK

London Flag—Sow early in the spring in drills one inch deep and one foot apart. When six or eight inches high transplant in rows 13 inches apart and five inches between the plants, as deep as possible, that the neck may be blanched. One oz. to 150 feet drilled. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 95c.

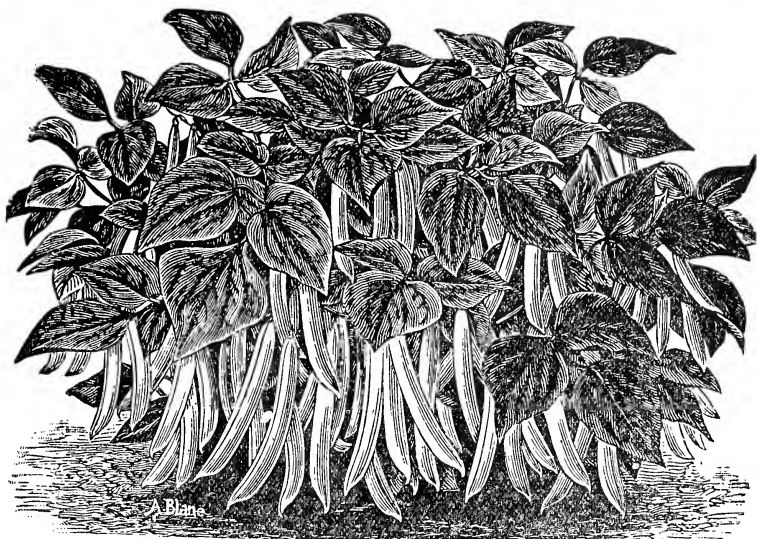


Wilmot, S. D., March 28, 1913.

I am sending order for seed. We have had the best kind of success with your seed.

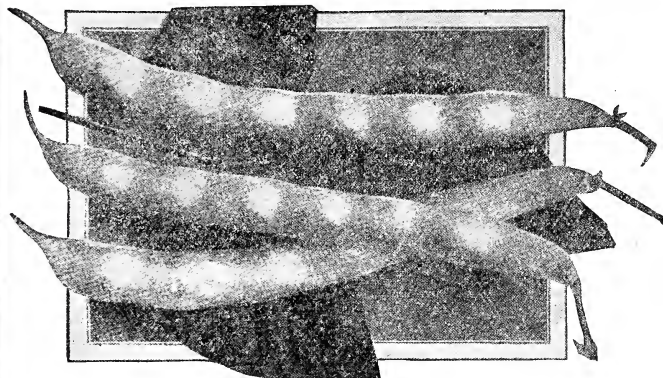
A. L. BASSETT.

Currie's Rust-Proof Wax—Positively proof against rust. The earliest of all Wax Beans. The best Wax Bean for market gardeners. Tender and absolutely stringless. For, while grown side by side for many years with other Wax Beans, all of them more or less affected by rust, many of them completely ruined by it, this bean remained entirely free from rust. Not only is it rust-proof, but it possesses the most excellent quality of being exceedingly crisp and tender, with no approach whatever to stringiness, and of a most delicious flavor. $\frac{1}{3}$ pt., 10c; lb., 25c; pk., \$1.50; bu., \$5.50.



Wardwell's Kidney Wax

Wardwell Kidney Wax—An extra early prolific wax bean; hardy and productive; pods flat, of a delicate waxy yellow and brittle; seed white, mottled brown around the eye. $\frac{1}{3}$ pt., 10c; lb., 25c; pk., \$1.60; bu., \$5.50.



Hodson Wax

Hodson Wax Rust-Proof Bush Bean—This is a remarkably strong grower, sturdy and productive. Has been entirely free from rust and blight. The plants are well loaded with long, straight, handsome pods, which resemble the pods of the Davis Wax, but are plumper, straighter and longer, averaging about seven inches in length; the color is a very bright yellow, making them very attractive; the pods are brittle and tender and of the very best flavor. They are free from fibre and stringless. This variety is a boon to market gardeners and truckers

on account of its vigor and productiveness and its freedom from blight and rust, while its fine table quality, its long, handsome pods will render it of special value to the private gardener. $\frac{1}{3}$ pt., 10c; lb., 25c; pk., \$1.50; bu., \$5.00.

TABLE BEETS

For an early supply sow as early in the spring as ground can be properly cultivated. Lay out the drills for seed about one foot apart and two inches deep. For the main crop, sow first week in May and for winter use in June.

Crosby's Egyptian—It is large, light colored, nearly spherical; one of the best for early planting outdoors. It is a most excellent sort, becoming fit for use sooner than any other variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

Improved Early Egyptian—We consider this the best first early beet of all the standard varieties. Best for forcing, best for first outdoor planting, roots very dark red, rounded on top, flat underneath. Small tops, which allows close planting. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 80c.

Arlington Favorite—A new dark-leaved early blood variety, originated at Arlington, Mass., where it is grown extensively for the Boston market. It follows the Eclipse closely in maturing, but is of much darker color and superior in quality; perfectly round in shape; it differs from all other dark blood sorts in that it has the sweetness of the Bassano, and yet a very dark deep blood color. Its small, upright growing tops, early maturing, and the splendid shape and color of the roots, make it popular with everyone who plants it. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 80c.

Wessington Springs, S. D., Feb. 4, 1913.

I enclose an order for seed potatoes. I always know where to get good seed for this is my fourth year to order seed from the Gurney Seed & Nursery Company.

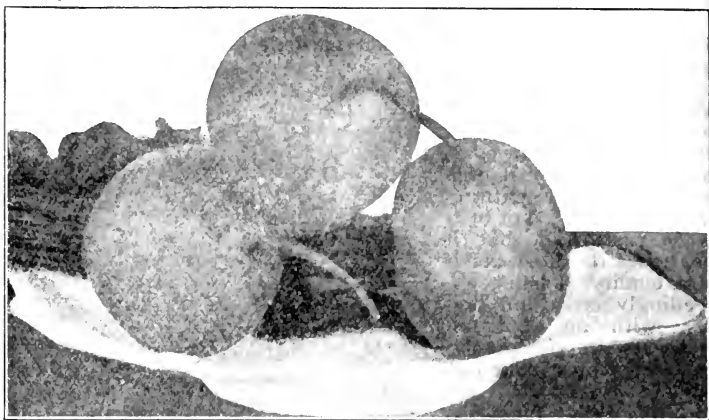
J. H. PERRY.

Bassano — Extra early pink, globular root, flesh white circled with brightest pink. The very best extra early. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

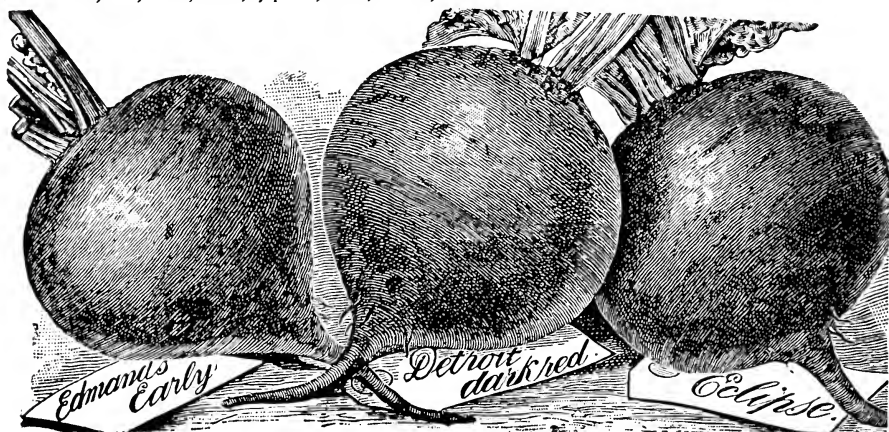
Bastian Half Long — An early half long beet, quality excellent and will produce nearly twice the weight in the same length of time as the early round beets. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

Sutton's Globe Beet — This beet was imported by us from England from the originator. Resembles the Egyptian, turnip rooted, but is perfectly round. There are none earlier. Pkt., 10c; oz., 20c; $\frac{1}{2}$ lb., 60c; lb., \$1.00.

Swiss Chard — For the leaves alone this variety is grown. This, gathered young, should be cooked the same as spinach, or later the midribs may be cooked and served the same as asparagus. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 65c.



Sutton's Globe Beet

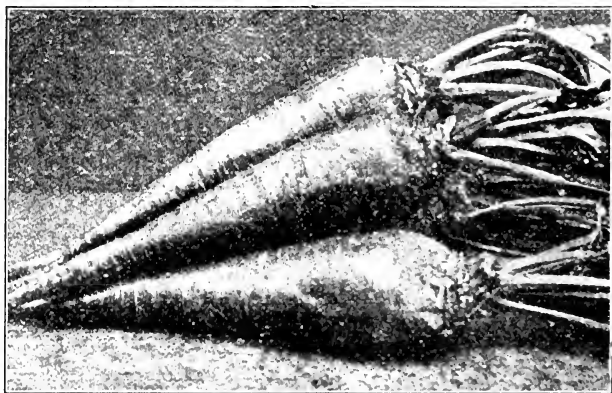


Extra Early Eclipse — An excellent sort; about as early as the Egyptian, but we consider it better because it is larger and of much finer quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

Edmand's Early Blood Turnip — The very best sort for general crop. In quality one of the finest; exceedingly dark; shape globular, having only one tap root. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

Long Smooth Blood — The standard long sort. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Detroit Dark Red Turnip — A grand beet for bunching for market; tops are exceptionally small and uniformly upright; roots are perfect turnip shape, with small tap roots. The principal fault with most Turnip Beets is the occasional appearance of white rings, and this will be found has been overcome by careful selection of the deepest red beets. Quality is the very best, sweet and tender. Gardeners can safely plant it largely. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.



Long Smooth

Arrowhead, S. D., March 31, 1913.

We have received the seed O. K. Thanks for the extras. It seems to me that Gurneys are getting most of the orders from this locality, as everyone seems to speak of you as a house with a reputation. I hope to be a satisfied Gurney's customer so I can boost, relying

JOHN COMPTON.



Mangel Wurzel and Sugar Beets

Farmers, stock growers and people living in town with a single cow are certainly neglecting the most important root crop when they fail to plant a quantity of these for winter stock feed; easily taken care of, rapid growers, and yielding about 15 to 20 tons of roots per acre; relished by all stock and a health producing feed. Buy these by the pound this year and you will increase your planting each season.

Sow in April and May in thoroughly plowed well-manured soil, in drills two inches deep and about 18 inches apart. Thin out to 12 inches and keep the weeds down by frequent hoeing and cultivating.

Mammoth Long Red—More generally grown than any other sort; roots large; quality excellent. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 40c; 5 lbs., \$1.75.

Golden Tankard—A very valuable variety of fine form and bright yellow in color. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 40c; 5 lbs., \$1.75.

Red Globe—The root is of large and globular in form; very productive. Oz., 5c; $\frac{1}{4}$ lb., 10c; lb., 40c; 5 lbs., \$1.75.

Sugar Beets

Mangles and Sugar Beets for stock, sow 4 to 6 pounds per acre; if for sugar factory, 12 to 20 pounds per acre. For larger quantities please correspond with us.

Vilmorene Sugar Beet—It unites capacity for a large yield with an exceedingly rich flesh, making it the best for cattle feeding. Tops medium sized; roots above medium size, long top-shaped, growing slightly above the surface; white, washed with red at top; flesh fine grained and very sweet. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 40c; 5 lbs., \$1.75.

White Klein Wanzelben Sugar Beet—This variety has proved to be a very valuable sort, not only in foreign countries, but as well in Colorado and other sections of this country, where it has been thoroughly tested. It has a rather long, slender root, very rich in sugar, and grows deeply sunk in the ground and it is claimed to yield under average conditions about sixteen tons to the acre, containing 12 to 13 per cent of sugar. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 40c; 5 lbs., \$1.75.

Broccoli

Sow early in spring. Transplant and cultivate the same as Cabbage. The Broccoli is similar to the Cauliflower. They will produce heads in October and November, and should any plant not be forward enough for use before severe frosts, let them be removed to a light cellar, where they will head during winter.

Large White Mammoth—Pkt., 5c; oz., 35c; lb., \$1.00.

Brussels Sprouts

Cultivated for the small heads that grow in considerable numbers on the main stem. It is a delicacy much esteemed by some. Sow in seed bed middle of spring and transplant and manage as Winter Cabbage. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.



White Plume Celery

CELERY

Sow in April and May and rake Seed in lightly; water, and shade from strong sun. Prepare trenches from two to four feet apart, a foot wide and a foot deep; dig into the bottom plenty of well-rotted manure, and set the plants when they are three or four inches high, six to eight inches apart in each trench. Keep them shaded until started and gradually earth them up as they grow.

White Plume—Unlike all other varieties, this one does not require to be earthed up, but if only loosely tied, or a few handfuls of earth brought closely around the base of the leaves to keep them close together, all the inner leaves or thin stalks will turn white and crisp. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Golden Self-Blanching Celery—Like the White Plume, this Celery requires very little earthing up, and in many other respects it is similar to that favorite sort, differing, however, in color, which is yellowish, the heart being large and solid and of a beautiful golden hue. Pkt., 10c; oz., 90c.

Giant Pascal—Grows about two feet high; the stalks are very broad, thick and crisp, and entirely stringless; the width and thickness of the stalks are distinctive features of this variety. It bleaches with but slight "earthing up," and very quickly, usually in five or six days. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

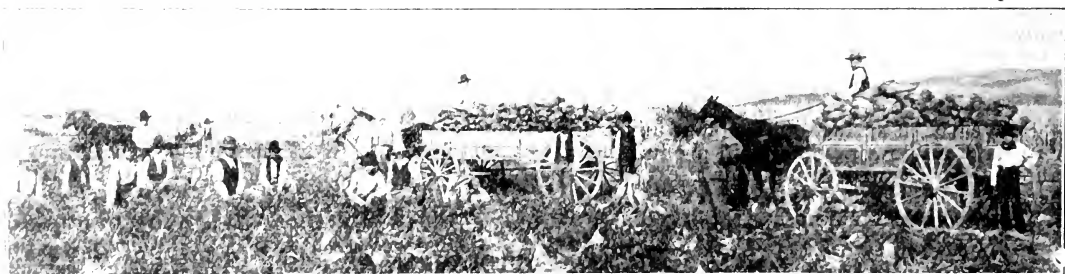
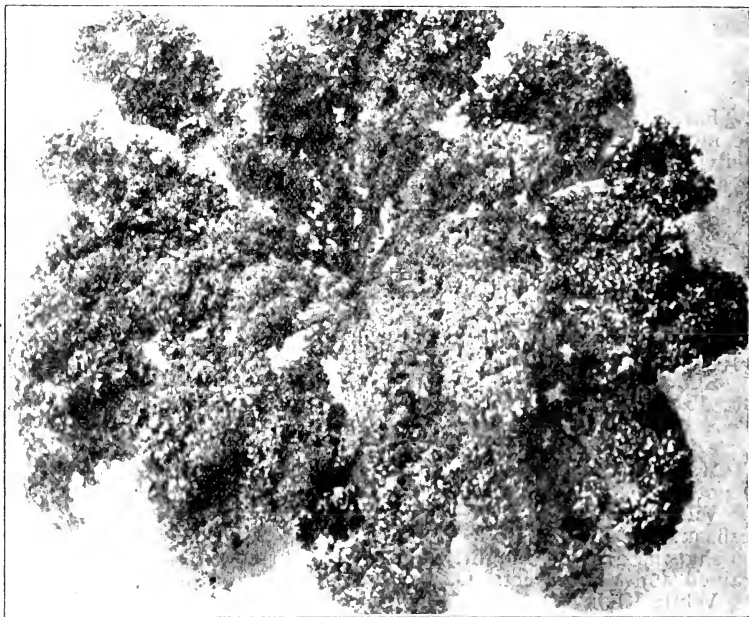
Winter Queen—Highly regarded by growers for late keeping, preserving its solidity and tenderness very late in the spring. Vigorous in growth and of attractive appearance. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Borecole or Kale

Tall Kale — One of the very best plants for greens, well known and much planted by German-Americans but little used by others. It is much harder than cabbage and a good frost improves its quality. The leaves are very curly and the plants are very ornamental as well as useful. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

Dwarf Green German—Sow in autumn for "sprouts" or "greens." Hardy prolific; flavor similar to Cabbage; desirable in every garden. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c.

1,000-Headed Kale—Sow broadcast like Dwarf Essex Rape for stock. Will produce an immense quantity of green feed and is relished by all kinds of stock. Lb., 40c., postpaid; 10 lbs., \$2.50.



1,000 Bushel Mangel Beets per Acre at Government Indian School, Pierre, S. D., from Gurney Seed

CABBAGE

Cabbage Pests and How to Destroy Them

Probably the worst pest of the cabbage, and one of the best known garden insects is the common cabbage worm, whose parent is the common white butterfly with the black tip and black spots on the wings. The most effective means of control is spraying or dusting with Paris Green or arsenic of lead. The Paris Green is used 1-3 lb. in 30 gallons of water; and the arsenic of lead 2 lbs. per 30 gallons of water.

As the foliage of cabbage is extremely smooth it will be advisable to add about 3 lbs. of "resin" soap, or sticker, to render the material more adhesive. The spraying should commence as early as any of the butterflies are noticed, and should be kept up until the heads commence to form.

There has been some prejudice against poisoning cabbage; it is entirely unfounded, for it has been shown that a person would need to eat about 28 cabbages at once if dusted in the above described manner to secure poisonous effect. It is obvious that plants should not have large quantities of poison placed on them after they commence to head, and such applications are entirely unnecessary.

Enkhuizen Glory—Absolutely the best second early and one of the very best for late if planted at same time as late varieties. It produces the largest percentage of solid heads of any cabbage. This valuable cabbage should be largely planted by all. **Pkt., 10c; oz., 30c; ¼ lb., 90c; 1 lb., \$2.50.**

All-Head Early—It is among the earliest of the large Cabbages. It is fully one-third larger than Early Summer. The deep flat heads are remarkably solid and uniform in color, as well as in shape and size. It is very tender and of fine quality. **Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., \$1.75.**

Charleston or Large Wakefield Cabbage

One of the best large early varieties. It is only five or six days later than the Early Jersey Wakefield. The heads are fully half larger and very solid. It is compact in growth and can be easily planted in rows 2 feet apart and 20 inches in a row. One great advantage it does not burst open when ripe like many other early varieties. Our seed is the choicest Long Island grown and we might say here that the best Cabbage seed produced in the world is Long Island seed. It gives the largest per cent of solid heads, but is higher priced seed. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.85.**

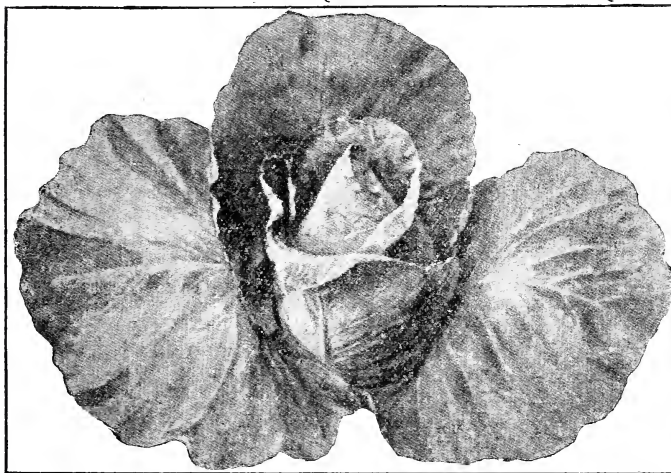
Extra Early Express—Produces fair-sized heads in eighty to eighty-five days. Does not form as large a head as the "Etampes," but is ahead of this variety several days. An important acquisition for the market gardener and those who grow cabbage for early market. **Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., \$1.75.**

Early Winningstadt—A well-known and very popular early variety; in season very close to the Wakefield; head large, decidedly conical; leaves bright, glossy green; heads solid and hard, even in summer. This is a very sure-heading variety, valuable not only for early use, but also for winter cabbage. **Pkt., 5c; oz., 20c; ¼ lb., 40c; lb., \$1.50.**

All Seasons—A new Drumhead Cabbage as early and every way as good as Early Summer, but yielding heads from a third to a half as large again. This new cabbage, while it matures a day or two later in the spring, when planted in July matures a day or two earlier than Early Summer in the fall, so that it will average as early. A most excellent variety, either for extreme early, or for fall or spring market. **Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., \$1.75.**



Premium Late Flat Dutch.



True Jersey Wakeneld

True Jersey Wakefield—This is an admirable sort, and fully sustains all we have heretofore said in its favor as a variety suited to the family and market garden. The heads begin to mature the latter end of June to the first of July; and may be cut in succession for several weeks. Our Seed is true Long Island grown. **Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., \$2.00.**

Early Dwarf Flat Dutch—Has succeeded admirably on account of its ability to resist heat; it never flaws under the severest sun and produces very fine heads after the earliest sorts have disappeared. We recommend it highly. **Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., \$1.75.**

Premium Late Flat Dutch—As a variety for winter market it has no superior, and is more extensively grown than any other. Heads large, bluish green, round, solid, broad and flat on top, and often tinted with reddish brown after being touched with frost; they open white and crisp, are tender and well flavored. It is a fall and winter variety, and one of the very best to keep. Decidedly the best late variety for cultivation in our state. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Premium Late Drumhead—We recommend this sort to market gardeners and growers for shipping purposes. In good, rich soil and with a favorable season, the heads will grow to an enormous size. Very compact and solid, and of excellent flavor. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.



Late Flat Dutch

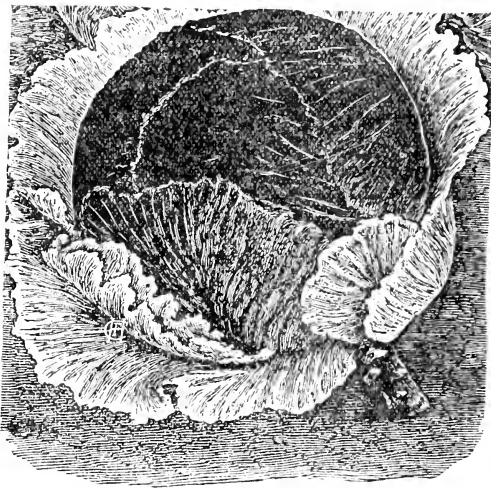


American Drumhead Savoy

Danish Ball Head—One of the best varieties for general crop. It has been selected for more than fifty years by the Danish gardeners, who grow it almost exclusively for Winter Cabbage and annually export large quantities. The heads are not as large as late Dutch Flat, but harder and more solid, fine grained and good keepers. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

Mammoth Rock Red—This is by far the best, largest and surest heading red cabbage ever introduced. The plant is large, with numerous spreading leaves. The head is large, round, very solid and deep red color. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.25.

American Late Drumhead Savoy Cabbage—Heads large, round and compact; excellent for winter use. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.25.



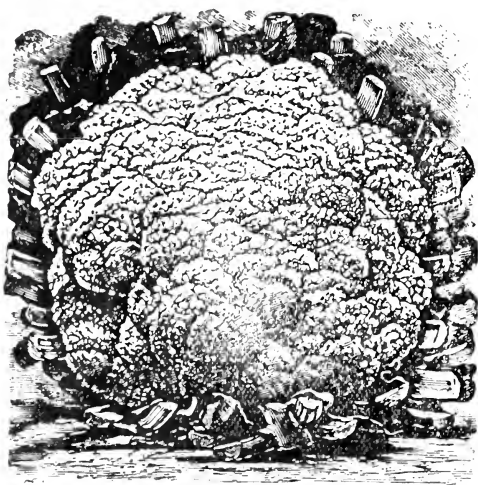
CAULIFLOWER

For spring crops, only the extra early dwarf varieties should be selected and Seed sown in hot-beds early in February, transplanting the young plants to the garden early in April, when the trees are starting out in leaf. For main or fall crop, Seed should be sown about June 1st, and young plants set out during the latter part of July.

Early Snowball—This is a popular extra early strain of dwarf, compact growth. Under favorable circumstances nearly every plant will make a fine solid head of good size. It is valuable for both early and late. Half size pkt., 10c; pkt., 20c; $\frac{1}{4}$ oz., 70c; oz., \$2.00; $\frac{1}{4}$ lb., \$5.50.

Extra Early Dwarf Erfurt—(Extra Selected)—This is the choicest selected strain of the popular Erfurt type, and is remarkable for its extreme reliability in heading. Plants very dwarf. Pkt., 20c; oz., \$2.00; $\frac{1}{4}$ lb., \$6.00.

Vetches Autumn Giant—The best large late Cauliflower, especially desirable for mixed pickles. Pkt., 10c; oz., 75c.



CHICORY

Large Rooted, or Coffee—Sown in drills, the roots become well developed. When they are dried, roasted or ground, they become the chicory of commerce, and are used in adulterating coffee. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

CRESS

Sow peppergrass early in the spring, in shallow drills, and every two or three weeks for a succession, cut often, as it will continue to grow. The Water Cress must be sown on the margin of a stream or running water, or in a very moist location.

Curled or Peppergrass—Common and well known. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 60c.

True Water Cress—Leaves tender and highly flavored. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

CELERIAC

A variety of celery having turnip-shaped roots, which when cooked and sliced in vinegar makes a most excellent salad.

Large Smooth Prague—This is the largest and best variety grown, and grows to a large size. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

CUCUMBERS

Do not plant cucumbers before danger of frost has passed, as the plants are very tender and the least frost will damage or kill them. Plant in hills or rows four feet apart, 10 to 15 seeds to each hill, thinning out later; make soil very rich. For pickles, plant from June 1st to the middle of July.

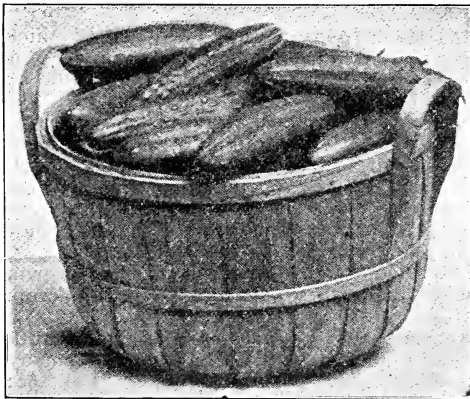
The Striped Cucumber Beetle

This is the small yellow beetle with black stripes on its back, which so commonly attacks squash, cucumber, melon and other vines soon after they come up in the spring. It feeds upon leaves and stems, and in many parts of the country is so destructive that these plants can not be grown unless preventative measures are taken. The beetles usually appear very suddenly, often coming to squash or melon fields in great numbers within a few hours. There are probably more remedies suggested as a preventative for this than for any other bug, but a large proportion of these methods are worthless. Good success has been obtained by applying liberal quantities of refuse tobacco powder to the hills. This tobacco powder can be secured at practically no cost from any of the cigar factories; sweepings, stems and strippings can be used.

Slacked lime plentifully sprinkled on the hills is also a preventative.

An application of Bug Death, applied as soon as the beetles are discovered, will generally kill them.

Improved Early White Spine—This special strain of White Spine Cucumber is noted for its extra earliness, earlier than Fordhook or Arlington. Vines vigorous, fruiting early and abundantly; fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor. Great bearer, for table use or pickling. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.



Early White Spine

Early Cluster—Early, short and prickly, bears in clusters. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

New Everbearing—Very early, enormously productive, literally covering the ground with its fruit the entire season until killed by frost, making it the most prolific variety in existence. Fruit is medium size and rich, dark green in color, shape long, excellent for pickling or slicing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

Arlington White Spine—This is the favorite sort for slicing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

Livingston's Evergreen Cucumber—It is early, of strong, vigorous growth, withstanding drouth, and is very prolific, bearing abundantly until frost. A perfect pickle sort. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

Chicago or Westerfield Pickling—Medium length, pointed, with large prominent spines; color deep green. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 80c.

Gherkin or Burr—Oval-shaped and prickly; for pickling only. Pkt., 5c; oz., 20c.

Improved Extra Long Green—An extra fine variety, grows very long, very productive. For early and late crops, excellent for pickles. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 80c.

New Japanese Climbing—Can be grown on trellises, fences, etc., saving valuable space in small garden. It is very prolific, about ten inches long, thick and fine flavor. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.50.



Celeriac Giant Prague

CARROTS

The carrot has been one of the despised vegetables by the majority of people for probably centuries, but is at last coming into its own. The carrot is actually one of the most valuable and health giving vegetables grown. A great many people do not realize that it is the most delicious of all of the vegetables. You can commence using them when they are one-half inch through and use them continuously until they are full grown and then they are excellent all winter; and a carrot properly cooked is the most delicious of any of the vegetables. We will guarantee that if you properly cook them every member of your family will prefer them to almost any vegetable grown, and will call for them more than once a week during the entire season.

The Best Way to Cook Carrots

Select young, half-grown carrots, scrape, and cut into one-fourth inch slices; boil in salted water until tender; then drain thoroughly. To one pint of cooked carrots add one tablespoonful of butter, one teaspoonful of sugar, a generous sprinkle of pepper. Return to fire and simmer a few minutes; serve in a heated dish.

The larger and older the carrots get, the larger quantity of sugar necessary.

There is no better stock feed than Carrots, and every person should plant more than they want for house use. They are abundant yielders and cheap, healthy stock food.

For successful cultivation soil should be light and deeply tilled. For an early crop the Seed should be sown as early as the ground can be properly worked. For late crops it may be sown until about the middle of June.

Earliest French Forcing—Small, almost globular root, maturing in about 40 days, especially valuable for market gardeners on account of its earliness. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 90c.



Danvers

Rubicon Half Long—It has rapidly grown in popularity, until now it is more largely grown than all other varieties of carrot combined. It is the best in shape, its deep red orange colored flesh is the finest of all in quality. It is earlier than Danvers, about the same length, but heavier and thicker at the shoulders, making it more productive; the leaves are also shorter, fewer and finer. It is a wonderfully heavy cropper, producing thirty to forty tons to the acre under good field culture, and it grows well under the ground, which prevents it from becoming sunburnt. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 90c.

Early Chantenay Carrot

This carrot is considered by the market gardeners as one of the very best for early use; it grows about six inches long, very uniform in size and shape, stump-rooted, very smooth, deep red, fine grained, sweet and sugary, and are not apt to crack open while growing. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; 1 lb., 90c.

Guerande or Ox-Heart—A variety with short thick roots, the diameter often exceeding the length. Color bright orange. Sweet and fine grained; good for table or stock. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 90c.

Danvers—There is no variety grown which will produce as much to the acre, with a minimum length of root as this one. Under proper condition of the soil and cultivation, it may reasonably be expected to produce, which it has done, 25 to 30 tons per acre. It is of medium length and heavy at the neck, but pointed and quite smooth, color a rich orange. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 90c.



Rubicon Half Long

Improved Long Orange—A well-known standard sort, roots long, thickest near the crown, tapering regularly to a point; color deep orange; suitable for the table and main field crop. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 90c.

Mastadon—Giant white, best and largest stock carrot grown, nearly one-half its length will be above ground when mature, which makes it easy to harvest. Will produce as many tons of green feed per acre as any vegetable grown. Plant some for the animals. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Arrowhead, S. D., July 29, 1913.

Last spring I ordered some nursery stock of you, and I wish to let you know how well it is doing. Every tree in the order grew and is doing fine with the exception of one apple tree. The Poplars and Russian Olive are making good growth. This satisfies me that trees will grow here, as this has been an unusually dry, hot summer.

JOHN COMPTON.

CORN, SWEET OR SUGAR

We are the heaviest growers of Sweet Corn for Seed purposes of any firm in the Northwest. We have grown this year over 2,000 acres of the best varieties and offer only the best of this to our retail trade.

Gurney's Early Golden

See good things for 1914. Do not fail to add this and Malikhof to your order.

Early Minnesota—A very popular early Corn, ears fair size, uniform and of excellent quality. $\frac{1}{3}$ pt., 10c; pt., 15c; qt., 25c; pk., \$1.00; bu., \$3.25.

Golden Bantam—A hardy variety allowing early planting. Stalks grow only three and a half to four feet high, and bear one or two good ears per stalk. When ready for use the grains are a rich golden yellow color, very sweet and fine flavor. Pt., 20c; qt., 30c; $\frac{1}{4}$ bu., \$1.20; bu., \$4.00.

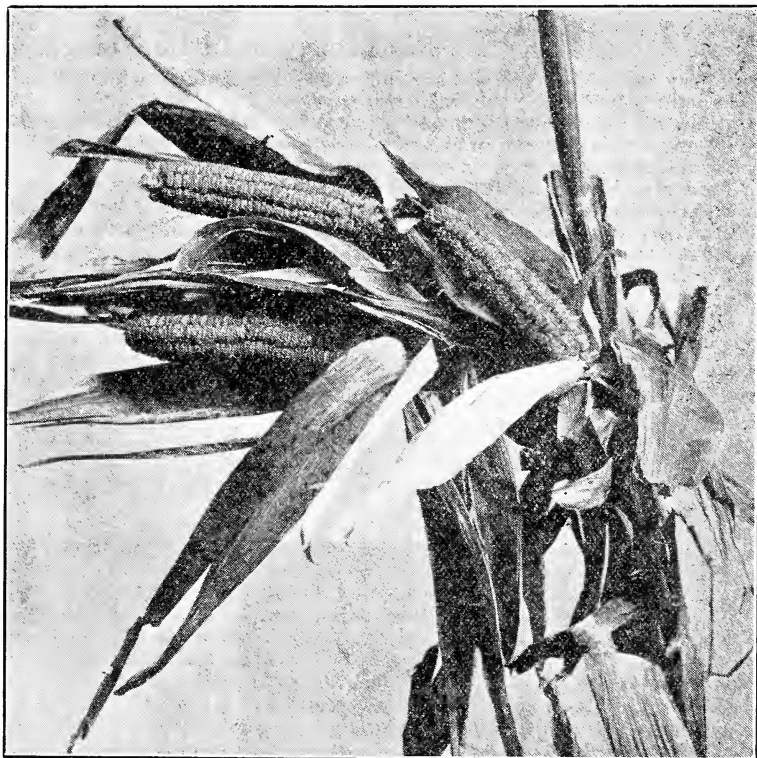
Black Mexican—One of the best medium early varieties. Although when ripe the seed is dark bluish or black, when ready for table use it is white. It is of especially fine sweet flavor and very tender. $\frac{1}{3}$ pt., 10c; lb., 25c, postpaid; by express or freight, 10 lbs. \$1.00; 100 lbs. \$8.00.

Early Red Cob Cory—One of the best extra early varieties. Ears are about six inches long, and eight-rowed and well filled. This variety does especially well. We have customers who will not plant any other Sweet Corn than Red Cob Cory. $\frac{1}{3}$ pt., 10c; 1 lb. 25c, postpaid; 10 lbs., \$1.00; 100 lbs., \$8.00.

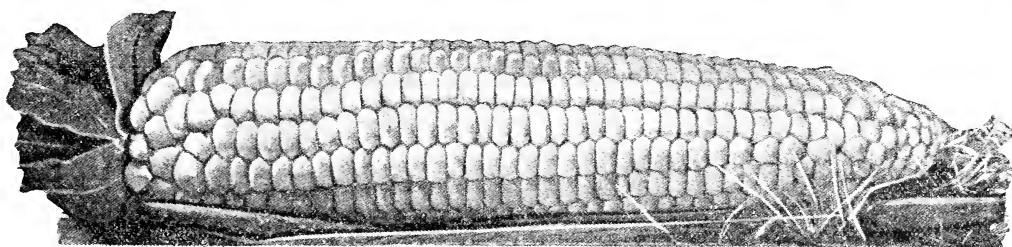
SWEET CORN. Extra Early Cory

This cut shows a single stalk with three ears. Produces wonderful yields. This comes in immediately after the Malikhof and will outyield all other early varieties. The quality is strictly first-class, size of ear much larger than other varieties of early corn, and an exceptionally profitable variety for market gardeners. $\frac{1}{3}$ pt., 10c; pt., 15c; qt., 25c; pk., \$1.10; bu., \$3.75.

Extra Early Crosby—This is one of the very best of the extra early varieties, producing ears about 6 inches long, each ear almost perfect, and producing from one to three ears on each stalk. We consider this one of the very best varieties and it should be used by those who are looking for quality and quantity. $\frac{1}{3}$ pt., 10c; pt., 15c; qt., 25c; pk., \$1.10; bu., \$3.75.



Extra Early Cory



Extra Early Crosby



Country Gentleman—The most delicious of all; for private family use where quality is preferred to size it has no equal. The cob is very small, giving great depth to the kernels. Time of ripening a little later than Stowell's Evergreen. $\frac{1}{3}$ pt., 10c; pt., 15c; qt., 25c; pk., \$1.25; bu., \$4.50.

Sweet Fodder Corn

Sweet Fodder—There is nothing better for summer and fall green feed or for curing for winter than Sweet Corn; being sweet and palatable, cattle eat every part of the stalks and leaves. Always a great favorite with dairy farmers, and excellent for soiling. Can be planted as other Corn or sowed thickly in drills or broadcast. Sow $\frac{1}{2}$ bushel per acre in drills, 1 to $1\frac{1}{2}$ bushels broadcast. Pk., 50c; bu., \$1.50; 5 bu., \$7.00.

WHITE RICE POPCORN

Big Money in Little Things

Very often there is good money in "little things," which, because they are small, people are apt to overlook. Popcorn is one of these.

Few people realize the profit that can be made on a single acre of popcorn. In parts of Iowa they are growing popcorn almost exclusively as a field crop, and the heavy buyers for candy factories are paying better prices each year for it. It will yield from eight to ten tons of fodder per acre of as high feeding value as sweet corn. It matures very early, which is an advantage where you are going to be short of early feed for the stock. It can be planted at least twice as thick as other varieties of corn and the yield of ear or shelled corn is usually equal to that of field corn. The market price is much better than for other varieties of corn, and is always marketable. Plant at the rate of 6 to 8 quarts to the acre and closely. We are offering only the Rice varieties, as others are practically valueless for market purposes.

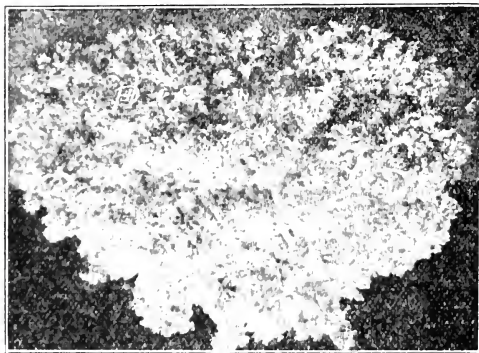
White Rice— $\frac{1}{3}$ pt., 10c; lb., 20c; pk., 80c; bu., \$2.25.

Red Rice—Fancy seed, bright red, $\frac{1}{3}$ pt., 15c; lb., 25c.

EGG PLANT

Sow in hot-beds very early in the spring, and transplant to 2 or 3 feet apart, in very rich, warm ground. Hoe often and hill up gradually until they blossom.

New Improved New York Purple—The best variety in cultivation, being early, a sure cropper and of fine quality. The fruit is large, oval, very deep purple. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25.



ENDIVE

Sow in August in shallow drills, twelve to fifteen inches apart, and thin to one foot in drills. When fully grown tie over the outer leaves of a few plants every week or ten days to blanch.

Green Curled—Leaves curled, dark green. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.



GARLIC

This vegetable is very much in demand for use with meats, sausages, etc. We can furnish in any quantity. 1 lb., 20c; 2 lbs., 35c; 10 lbs., \$1.25; 50 lbs., \$5.00.

KOHL RABI

Early White Vienna—Dwarf, small, early; bulb handsome, firm, glossy white; leaves few and small, the best variety for table, but should be used when young and not larger than an early Turnip. All varieties are tough and stringy when over grown. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

LETTUCE

For an early crop sow under glass in February and transplant on a well prepared bed, in some sheltered corner, in April. For successive crops, sow in beds of well pulverized soil in March, and at intervals of about a fortnight until the end of May.

Black Seeded Simpson—A favorite forcing variety; it does not head, but forms a compact mass of leaves, and differs in being lighter colored; stands the summer heat well, and is nearly double the size of the Curled Simpson. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 80c.

Grand Rapids—This is beyond question the most popular of all forcing Lettuce. On account of its upright habit of growth it can be grown much closer than the other sorts, and it is less liable to rot; the leaves are light yellowish-green, excellent for shipping, and keep a long time without wilting. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 80c.

Royal White Summer, or Drumhead—Heads very large, crisp, tender and of good flavor; one of the best summer varieties. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Prize Head—An excellent variety for family use; forms a loose head of a dense mass of leaves, filled at the edge and densely blistered; deep green in color, tinged with red; crisp, tender and good flavored. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

Hanson—A very fine heading variety of large size. The heads are very solid, sweet, tender and crisp throughout and entirely free from any bitter taste. A standard Summer Head Lettuce, very slow to run to seed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 80c.

Paris White Cos, or Celery Lettuce—This new variety from France is by far the best Cos Lettuce we have ever grown, and we recommend it. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

Market Gardeners' Private Stock—A strain of black-seeded tennis ball selected with special care for hot-bed and cold frame culture. It makes large solid heads which stand a long time before sending up seed shoots. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 80c.

Big Boston—A large heading, forcing sort, also for outdoor winter culture. The plants are very hardy and vigorous, with broad, smooth, thin and hard leaves, light green in color, and when well grown are quite tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

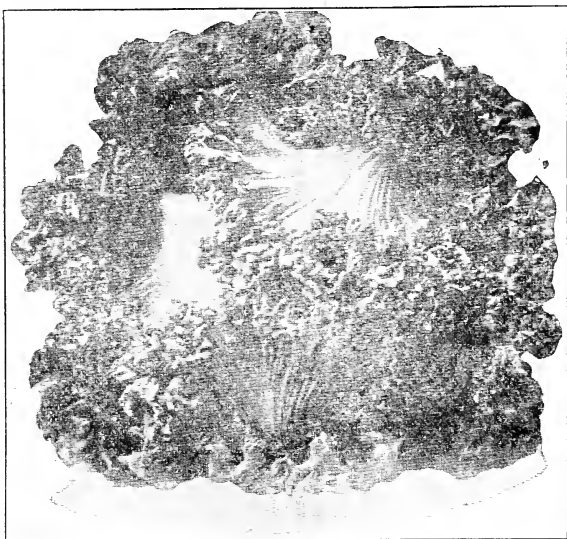
California Cream Butter—Splendid lettuce for the open ground, producing very large, solid heads in cool weather. This should be planted just as early as you can work the ground, as it does better than other varieties when weather is cool. This lettuce is largely planted in the Southern States for shipping to the Northern markets in winter. Heads of large size, very solid heads and the interior portion blanching to a beautiful white. The genuine stock of this popular lettuce can be distinguished by very small spots on the outer leaves. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

Black Seeded Tennis Ball—Splendid for forcing in hot-beds, cold frames or greenhouses. It is preferred by most growers over White Seeded Tennis Ball on account of producing large heads. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.

Brown Dutch—Medium sized firm head, leaves broad and crumpled, color medium green tinged with brown. One of the best for late planting. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.



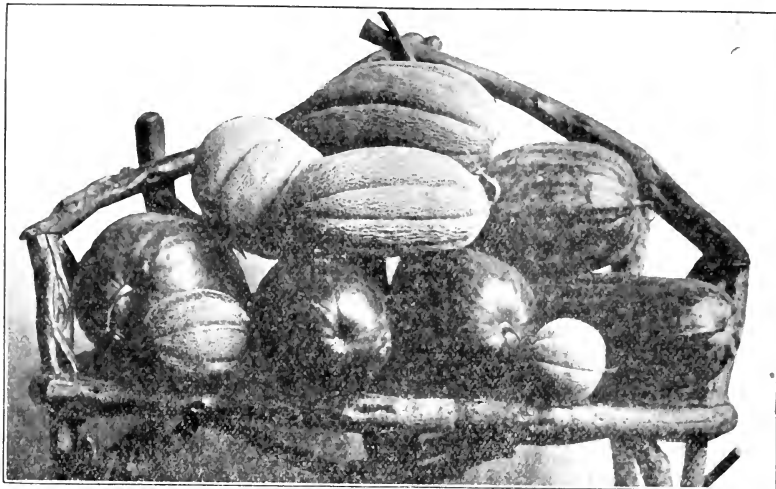
Black Seeded Simpson.



Hanson.

MELONS

The season of 1913 was a reasonably good one for Melons with the exception of the early part of the season, which delayed their germinating and made the crop late. However, our crops were exceptionally good and the seed strictly first-class. We are getting to be the largest growers of vine seeds in the West and are growing 300 acres of them. We wish to call your special attention this year to the **Grand Muskmelon**. It is the best and should be planted in all gardens. Do not neglect the **Enid**, **Hoodoo** and **Admiral Togo**. In water melons, use **Cole's Early First**. They come first and are first in quality.



PRIZE WINNERS.

All From One Garden, All From Gurney Seed.

The Melon Aphis

Just as the melon and cucumber vines commence to run, a plant will be found here and there with the foliage curled up and wilting, and within will be found masses of the greenish melon lice which have caused the injury by their many beaks sucking out the sap of the plant. If allowed to multiply, unchecked, they will become so abundant as to completely ruin a whole crop just as melons are commencing to ripen. Fortunately, the melon aphid is subject to the unremitting attacks of many insect enemies; among the more important are the common ladybird beetle; this beetle is commonly known as "ladybug," and in most cases will take care of this melon aphid unaided.

The best manner of control outside of their natural insect enemies is watchfulness, inspecting the plants frequently and destroying badly infested individual plants, always being sure to destroy them on the immediate ground, not carrying them across the field as you will leave a trail of destruction behind you. The aphid may be destroyed by spraying with Kerosene Emulsion containing five to eight per cent kerosene, whale oil soap, one pound to five gallons of water. The emulsion must be carefully made or burning of the foliage will result. The aphid must be hit to destroy them, and it is necessary to use an under-spray nozzle, or if you want to turn the vines over and then re-turn them so that all of the aphid may be covered.

Melons require a light, rich soil. Plant as soon as ground has become warm and dry, in hills eight feet apart for Watermelons, and six feet for Muskmelons, 12 to 15 seeds in each, and thin out to three or four plants when all danger of bugs is over. One ounce for sixty hills and 2 to 3 pounds per acre.

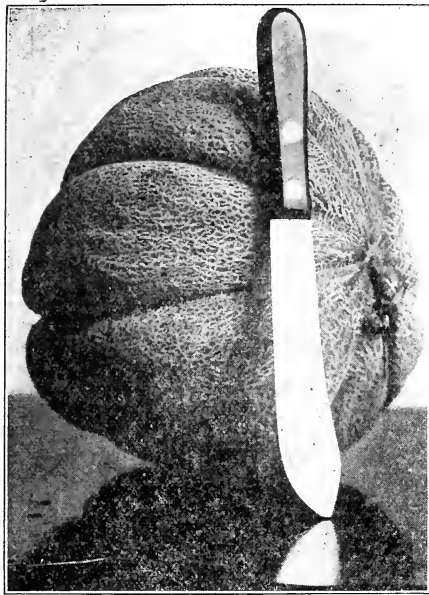
Muskmelons

Defender—One of the best yellow-fleshed sorts. Medium-sized fruit, oval in shape, slightly ribbed, covered with gray netting. The flesh is firm, fine grained, rich, deep yellow, darker than that of the Osage, and of higher flavor. The flesh extends to the rind and retains its color and quality quite to the outer shell, leaving a rind no thicker than that of an orange. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Home Sweet Home—This is a very fine market, or family melon. As shown in the illustration, it is oblong in shape, very beautifully netted, thick green flesh, and of delicious flavor. The melons run medium to large in size and exceedingly uniform, and a basket of them makes a very handsome appearance in market. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.



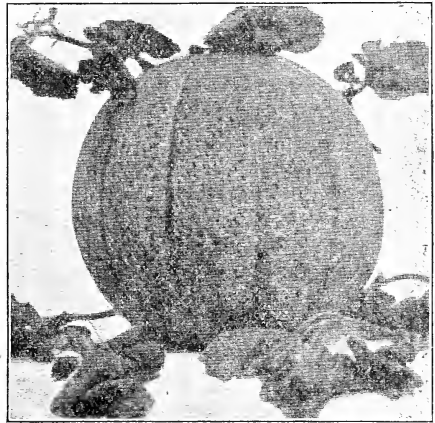
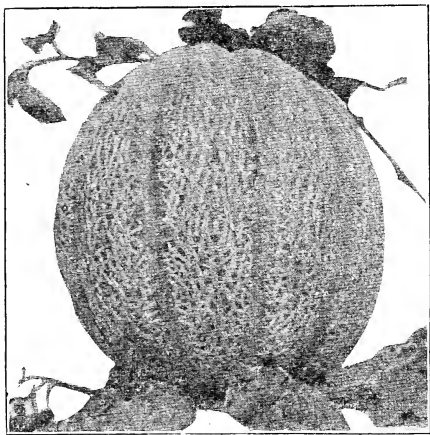
Home Sweet Home Muskmelon.
(Green-fleshed.)



Hackensack.

Newport—Every person who tastes the Newport Muskmelon goes into ecstasies over its rich, aromatic flavor, and it certainly is the most delicious of all green-fleshed sorts. It is very early, ripening with the Jenny Lind, which it resembles, and from which it originated. The fruits are deep and almost round; exterior dull green, ripening to a rich golden color, evenly and closely netted. The ribs are quite shallow. The flesh is of exquisite texture, rich and melting clear to the rind. It is a bountiful yielder; the melons are not large, but of that desirable size the market demands. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

Emerald Gem—An early variety of fine quality; skin ribbed, smooth, emerald green, with a few lighter colored stripes; flesh thick, of a delicate light salmon color; they part from the stem of their own accord when ripe. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.



Newport.

Admiral Togo

Admiral Togo—This new Orange Fleshed Netted or Rocky Ford muskmelon is a wonderful improvement over most Orange fleshed melons, size and shape same as Rocky Ford, flesh bright orange and quality strictly the best, very thin rind but exceptionally hard and tough, making it one of the very best shipping melons, seed cavity some smaller than Rocky Ford. The Admiral Togo muskmelon is bound to win its way as one of the leading table and shipping melons. Market gardeners report "best sales of any small melon; customers that buy today want more tomorrow." Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 30c; 1 lb., \$1.00.

Perfected Delmonico—A beautiful globe-shaped melon, about 6 inches in diameter, with thick prominent netting; solid and heavy, with small seed cavity; flesh rich orange, fine grained, delicate flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Extra Early Hackensack—This valuable variety is ready for the market fully ten days ahead of the well-known Hackensack, which it much resembles in size, shape and quality; weigh from five to ten pounds each; very productive, averaging from five to six melons to the vine; deeply netted; flesh light green. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Davis, S. D., Feb. 28, 1913.

The seeds I ordered from you last year were just fine. Enclosed find an order for some more. I had a fine garden all summer.

FRED MEMINGA.

Berwick, Pa., May 7, 1913.

I received the seed, trees, etc., and the very nice asparagus roots that you sent; I greatly appreciate and have been wanting them. Send me the price of the new Hybrid Plums.

MISS H. J. ALEXANDER.

Arrowsmith, Ill., May 16, 1913.

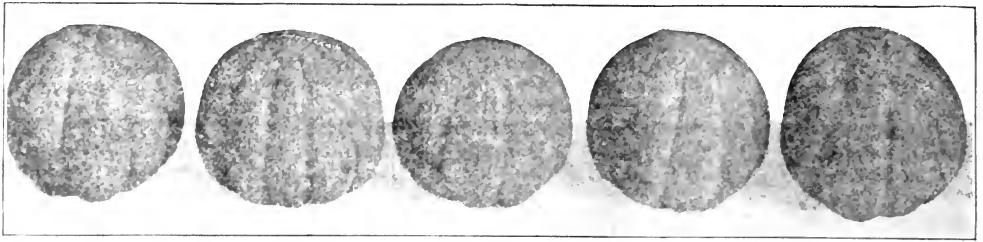
I had seed corn twice from your firm; I can recommend your seed to grow all right. I meant to write you before, but forgot it. If I need seed in the future I will patronize your firm. With well wishes,

G. H. BOURNE.

Pontiac, Mich., June 3, 1913.

Plants received today in good condition. Many thanks.

ALEX. WALLACE.



Hoodoo

Another of Paul Rose's wonderful melons, introduced three years ago, has grown into popular favor more rapidly than any other melon. The Hoodoo melon is equal in quality to any melon planted today, and for all purposes it is better than nearly all others. The color of the flesh is bright orange, meat very thick, seed cavity extremely small, netting is very close and firm, making it one of the very best for shipping. Our seed of this variety is saved from a most carefully selected, inspected field, and is two years ahead in selection of any other seed offered. Pkt., 10c; oz., 25c; 1 lb., \$1.25.

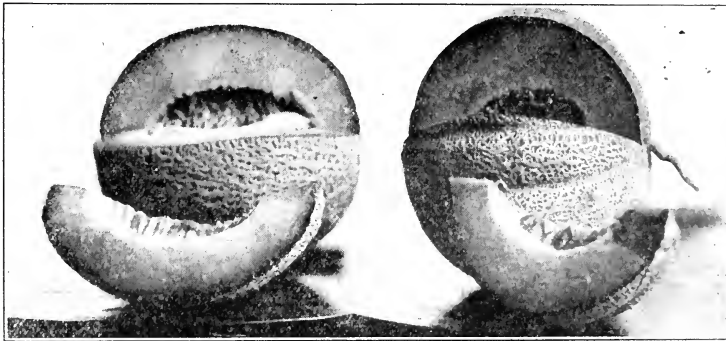
In making up your Seed Order, do not neglect the Nursery Section. We grow the trees right, we pack them right. They reach you in fine condition.

Burrell Gem

A splendid new shipping melon with orange or rich salmon-colored flesh of sweet flavor. The originator sold \$6,000.00 worth of melons from a planting of twelve acres and has realized one dollar per dozen melons net.

All melon growers are familiar with the superior flavor and aroma of the salmon-flecked varieties such as **Osage** and **Emerald Gem**, but the flesh of these fine melons is too soft for distant shipments. This defect has been eliminated in the **Burrell Gem**, as during the past fall shipments from Colorado have reached the New York markets in fine condition without icing—a very severe test of shipping quality. The melons are oblong, with smoothly rounded ends, slightly ribbed, closely netted. The skin is dark green with brownish netting; rind thin, but quite tough; meat exceptionally thick, firm but melting, of a rich deep salmon. The fruits average six inches long, four inches in depth, and weigh about two pounds each. Pkt., 5c; oz., 20c; ¼ lb., 30c; 1 lb., \$1.00.

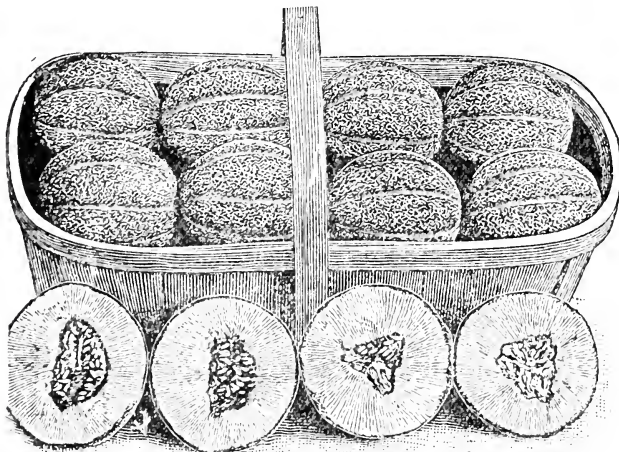
Rocky Ford
and
Hoodoo
for the
Private
and
Market
Garden.



Rocky Ford.

Hoodoo.

Green
and
Salmon
Flesh
Twin
Money
Makers.



Jenny Lind—One of the earliest Melons grown, small, round and flattened at ends, deeply ribbed, thickly netted, which makes it valuable for shipping; an excellent variety for the restaurant trade, flesh light green; sweetest of this class. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

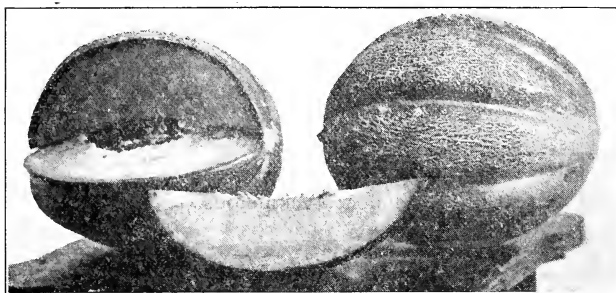
Paul Rose or Petoskey—This widely advertised Melon is a successful cross of the **Osage** with the **Netted Gem** and combines the sweetness of the former with the finely netted appearance of the **Gem**. The flesh is of orange red color like that of the **Osage**. A splendid shipper and just the right size for the hotel and table use. Large pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

Rocky Ford—This variety is an improvement on the Netted Gem, and is largely grown in Colorado and shipped by the carload to the eastern cities. It is much sought after by hotel and restaurant keepers on account of its size and exceptionally fine flavor. Flesh is greenish white in color, very juicy and rich and good clear to the rind. It is medium in size, of round oval form and a most excellent keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c;



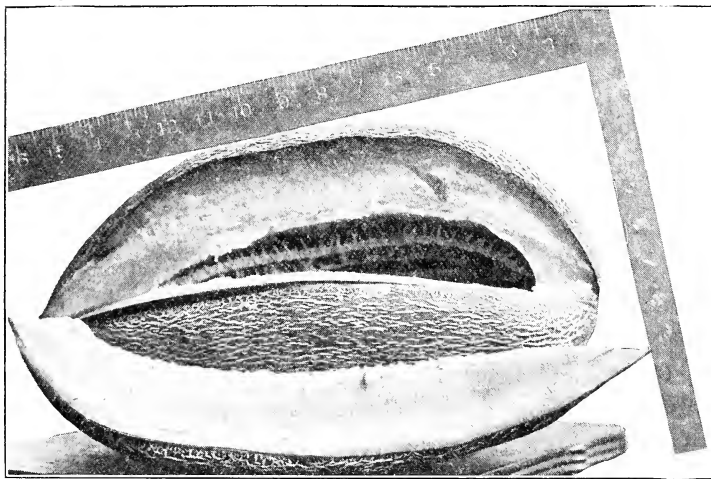
Rocky Ford.

Netted Gem—One of the earliest and best small melons grown. Oval in shape and very uniform in size; flesh light green and of fine flavor; exceedingly productive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 80c.



Osage.

Osage—(Miller's Cream)—This is one of the most profitable of all Melons for the market gardener; of uniform quality; it makes no difference what the size of the Melons may be. large or small, they are all sweet and delicious. The skin is thin, dark green and slightly netted. The flesh is deep salmon, remarkably sweet, and of a spicy flavor; extremely thick and delicious to the rind. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.



Giant of Colorado.

Giant of Colorado — Large size; oblong; 12 to 15 inches in length, heavily ribbed and netted. Skin green, flesh light green and excellent quality. Best quality of any of the large melons.

This is a very satisfactory melon for the home garden and home market. The melon is very large and attractive and brings a good price always, but not a good shipping melon. We have picked as high as six ripe melons at one time from a single vine, none of them weighing less than 7 lbs. Pkt., 5c; oz., 15c; lb., \$1.10.

Carpenter, S. D., April 24, 1913.

We had very good success with your seed last season and are using them again this year.
E. BERRY.

Graceville, N. D., April 27, 1913.

I have ordered many of your seeds and have good success with them. I had a fine crop of the Early Golden Sweet Corn, it is the finest sweet corn I ever raised. The Evergreen Sweet Corn is a little late for this territory.

I need some different varieties of corn so will send you the order.

G. W. SMITH.



Before.



After.

Kleckley's Sweet.

WATERMELONS

One ounce to 25 hills. See Culture, under Muskmelons.

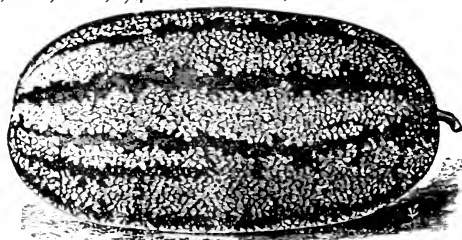
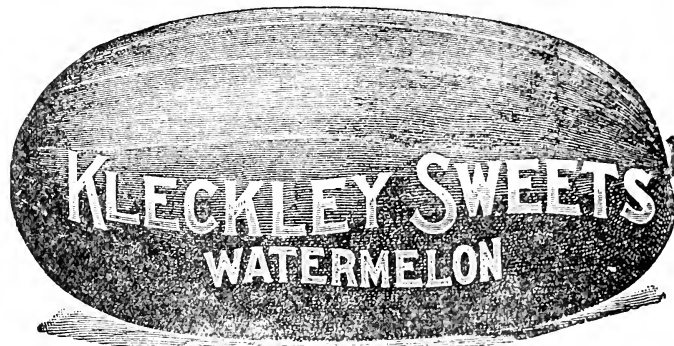
Kleckley's Sweet—Vines are strong-growing, producing uniformly large-sized Melons. The fruits are oblong. The skin is dark green. Flesh is bright scarlet and ripens to within one-half inch of the rind. The quality is very rich and sweet, hence its name. For the home market or family garden it is decidedly one of the best. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

Sweetheart—Our field of Watermelons this past season was certainly a pleasant sight. A field of 30 acres of these planted right and growing right was so well covered with melons that a person could have started in any part of the field and walked around all over it and stepped on a large melon each time. Every melon seemed to be perfect in color and shape. This is certainly a fine strain of this very popular shipping melon. Rind is thin, but firm. Flesh bright red, very sweet and tender, size large. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 5 lbs., by express, \$2.00.

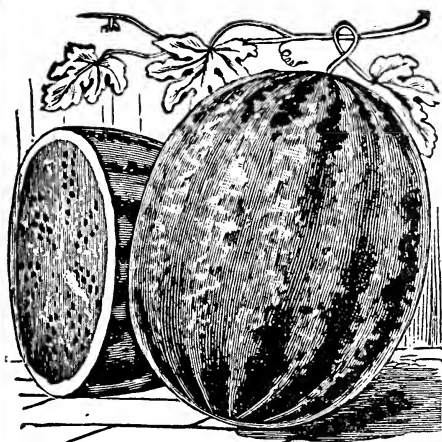
New Eden—This very popular shipping melon is offered by us this year for the first time. For market gardener purposes and growing in large fields it is one of the best yielding, rich quality and largest of all melons. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 40c; 5 lbs., \$1.75.

Phinney's Early—An early variety; medium and uniform size, and a beautiful form. The skin is smooth, with white mottled and dark green stripes. Flesh light red or pink, sweet and delicious. One of the best for home use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

McIver's or Wonderful Sugar—Oblong in shape; size uniformly large; handsome appearance; skin shows broad bands of white, shading into narrower bands of dark green; quality is superior; flesh is soft pale pink, crisp, free from any stringiness, and juicy. The Melons have a solid heart, free from cracks; while the Seed rows are close to the rim. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.



McIver's Sugar.



Fordhook Early.

GURNEY'S IMPROVED COLE'S EARLY WATERMELON

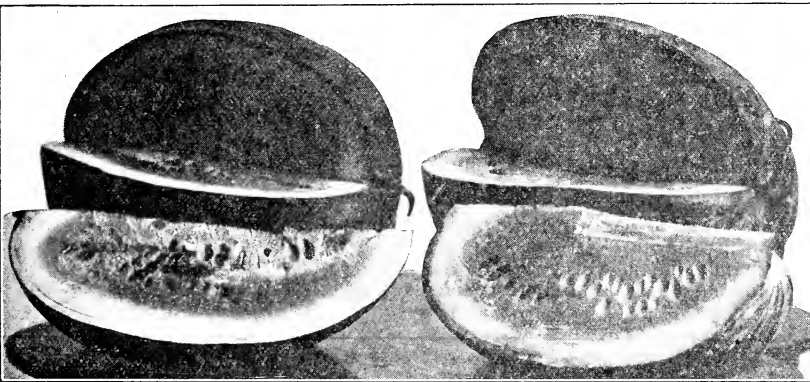
This is an improvement over the old COLE'S EARLY. By selection it has been made more uniform in size, better quality and earlier; in fact, it is the earliest and sweetest watermelon grown. Sure to ripen. Just the melon for home market. Ripens during August and by far the best watermelon for the northern states where the seasons are usually too short for any other. Since its introduction melons have ripened farther north than it was supposed possible to mature them. COLE'S EARLY is no less valuable for the middle states from the fact that it ripens melons ahead of any other and continues to bear abundantly throughout the entire season. Weight about 8 to 12 lbs., nearly round, dark green with lighter stripes, flesh brightest red, crisp and free from springiness. Very solid, small seed cavity. Is deliciously sweet and refreshing all the way through to the rind. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c.

Dark Icing—A very prolific variety of good size and delicious flavor; oblong, thin rind. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 5 lbs., by express, \$1.75.



Kolb's Gem—

A valuable variety. The fruit is large, weighing from 25 to 50 lbs. It has a delicious flavor, and its keeping qualities are the best. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c; 5 lbs., by express, \$1.75.



Kolb's Gem.

Lebanon, S. D., Apr. 18, 1913.

I got the bundle of trees that were shipped me on Tuesday and they were in fine shape; I set them all out the next day. Wishing you the best of success, I remain,
A. E. BEAUDOIN.

Spencer, S. D., April 3, 1913.

I received the wheat and oats all right; I am well pleased with them. Thanking you for the prompt shipment, I am,
S. BLOCK.

True Georgia Rattlesnake or Gypsy—Large, oblong, striped; flesh red, of fine quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c; 5 lbs., by express, \$1.75.

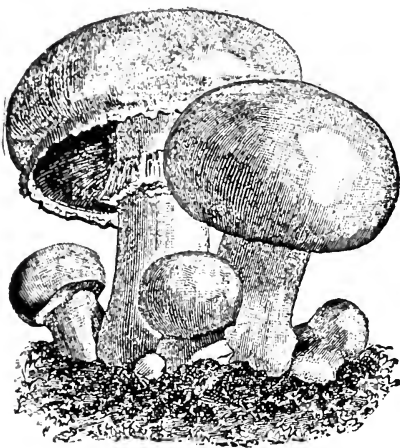
Citron—A round fruit of small size, used in making preserves. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.



Georgia Rattlesnake.

MUSHROOMS

These delicious fungi can be grown in a warm cellar or close shed, in which an even temperature can be maintained of from fifty to sixty degrees, and where a plentiful supply of fresh horse-stable manure for making the beds can be obtained. Our spawn is imported from the best English makers, runs freely and produces the finest mushrooms. Bricks weigh about one pound, and a brick is sufficient to plant about nine square feet. Best spawn, in bricks, 30c per lb., by mail, postpaid; by express, 15c per lb., \$10.00 per 100 lbs.



OKRA OR GUMBO

Sow about the middle of spring in drills, and thin the plants to a foot or more apart. Highly esteemed and cultivated for its green seed pods, which are used in soups or stewed and served like asparagus.

Long White Velvet—Long ribbed pods. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

PEANUTS

South Dakota Grown

This is the second time we have been able to offer this delicious nut grown in South Dakota. The variety which we are offering is early enough to grow in any of the northern states, produces an immense yield of excellent nuts. We have enough of the South Dakota grown nuts to supply our customers this season and believe it to be a profitable crop to grow wherever the land is suitable for them. They will grow on most any land but a warm, sandy loam is best. 1 lb., postpaid, 35c; 10 lbs., by express, \$1.75.



I received my Fanning Mill which you shipped to me. I have tried it and it is the best mill I have ever used.
Olivet, S. D., Feb. 1, 1913.
FRED FOLEY.

We liked our seed you sent us last year fine.

Somers, Mont., Jan. 21, 1913,

MRS. R. A. STOUT.

I got all my garden seeds from you and I like them very much.

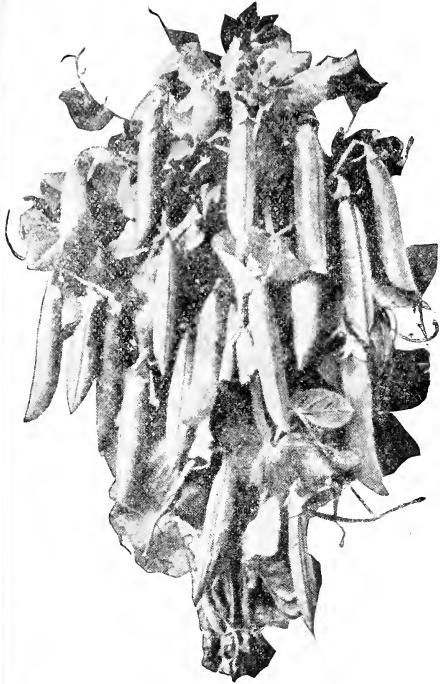
Turton, S. D., Feb. 26, 1913.

ASA BURTCH.

PEAS

For several years there has been a short crop of all varieties of Peas, but the crop of 1913 is, we are pleased to say, an exception. We have in the last year produced a good crop of peas and once more the people will be able to buy in as large quantities as they want, as the price is reasonable, and we can once more enjoy this delicious vegetable. Purchase enough for several plantings so you will have them for a long period. Nothing is so easily grown as peas, nothing brings you the returns that are so profitable to the market gardener and so enjoyable to the family. The seed this season is of the very best quality. All our peas are grown under the very best conditions, and we know you will be pleased with the seed we send you. The Gurney's strain of peas is the best grown, and we have made our prices as low as consistent with quality of goods which you will receive from us.

Peas, First Earlies



The planting of an early crop of garden peas should be made in the spring, as soon as the ground can be worked, in a warm, dry situation, and covered about three inches. They are usually planted in double rows three to four feet apart, and (those requiring it) bushed when about six inches high. The large and later sorts do better at a greater distance apart, leaving a broad space for planting low growing vegetables between.

Thomas Laxton—The earliest Wrinkled Pea. Equal in quality to the best of the late wrinkled sorts. Peas are large as Telephone, unsurpassed in quality; coming into use early in June, as soon as the small round early sorts. This is certainly the finest Wrinkled Pea yet introduced, coming in with the first earlies, with pods double the size. The pods are a rich dark green, straight and square ended, and contain on the average 7 to 8 very large narrow peas of the richest flavor. We consider it superior to, and likely to supersede that fine early pea, "Gradus," being hardier in constitution, darker in color and a better yielder. It is a reliable market gardeners' as well as private gardeners' pea, and will undoubtedly take the same place among earlies as Telephone among late sorts. $\frac{1}{3}$ pt., 10c; lb., 30c; pk., \$2.50.

Gradus, or Prosperity—Early as Challenge or Alaska, equal in quality and size to Telephone. The great drawback with the small, early round peas is lack of size and flavor. In Gradus, however, we have a pea coming in along with Alaska, producing dark green, handsome pods as large as Telephone, containing 8 to 10 large peas with that rich, sugary flavor found only in the wrinkled sorts. The vines grow to a height of $2\frac{1}{2}$ feet, and produce the pods singly, all

maturing at one time. $\frac{1}{3}$ pt., 10c; lb., 30c; pk., \$3.25.

Nott's Excelsior—The sweetest and most prolific of all the early Dwarf Peas; outyields Premium Gem or American Wonder. The best sort for the market or home garden. The vines are vigorous and very prolific, while the pods are closely packed with large peas of very fine flavor. Height, 1 foot. $\frac{1}{3}$ pt., 10c; lb., 30c; pk., \$2.00; bu., \$7.00.

American Wonder—One of the earliest Wrinkled Peas in cultivation, of the finest quality and flavor, and very productive. Its great distinctive feature, however, is the compact and dwarf growth, seldom exceeding ten inches in height. $\frac{1}{3}$ pt., 10c; lb., 25c; pk., \$2.00; bu., \$7.00.

Surprise—This new extra early Wrinkled Pea is certain to become very popular. The vine is no taller than those of the best strains of First and Best and is as early, continuing longer in condition for use. The pods are like those of the Alpha and the peas are exceedingly tender, sweet and good flavored. It is unsurpassed in quality. $\frac{1}{3}$ pt., 10c; lb., 25c; pk., \$2.00; bu., \$7.00.

First and Best, or Extra Early—One of the earliest tall varieties, with smooth, round peas, which ripen almost at one time. Grows two to two and one-half feet high; seed yellowish white; pods straight, short and well filled. Quality best of smooth seeded early varieties. $\frac{1}{3}$ pt., 10c; lb., 25c; postpaid. 10 lbs., \$1.50; 100 lbs., \$8.00.

Alaska, or Earliest of All—A smooth pea well suited for extra early planting; vine 2 feet high; pods small; will not rot in cold, wet ground; popular with canners. $\frac{1}{3}$ pt., 10c; lb., 25c; postpaid; 10 lbs., \$1.50; 100 lbs., \$8.00.

McLean's Little Gem, or Premium Gem—A dwarf, prolific, green wrinkled marrow; habit similar to the Tom Thumb. It has all the sugary flavor of the late wrinkled peas. Height, 1 foot. $\frac{1}{3}$ pt., 10c; lb., 25c; pk., \$2.25; bu., \$7.00.

EDIBLE PODDED PEAS

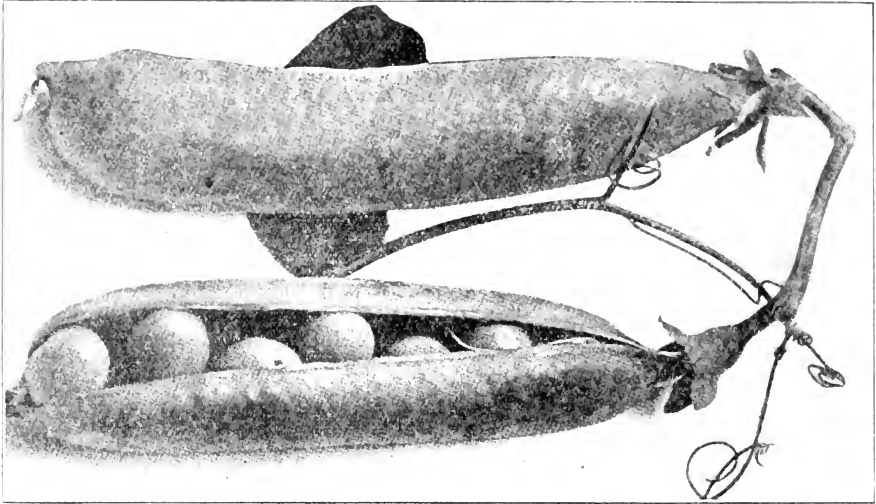
Dwarf Gray Sugar—Vines grow to be almost 15 in. in height with purplish blossoms. These peas are not to be shelled, but cooked pods and all like string beans. This vegetable should be grown by all and will never be left out of the garden after one trial. Pkt., 10c; lb., 35c; pk., \$3.00.

Second Earlies and Late Varieties

Improved Telephone—This is without exception the largest podded pea in existence. It is a heavy cropper and of fine quality; the pods are well filled with peas of the largest size, tender, and retain their sweetness well. Undoubtedly one of the best of the tall-growing late peas. $\frac{1}{3}$ pt., 10c; lb., 30c; pk., \$2.00; bu., \$7.00.

Champion of England—Although this is one of the oldest of the tall-growing late peas, we have not yet found one that surpasses it in quality. There is no other pea as sweet as this. The vines grow almost 5 feet high, are very vigorous and produce the large pods of luscious peas in the greatest abundance. The strain we offer has been selected with greatest care and will be found superior to seed offered in the market by most dealers. $\frac{1}{3}$ pt., 10c; lb., 25c; pk., \$2.00; bu., \$7.00.

Pride of the Market—A dwarf wrinkled pea, growing about 2 feet in height. The pods are medium green in color and are very large, often containing nine large peas of excellent quality. Not needing brush, it is a very good sort for the home garden. $\frac{1}{3}$ pt., 10c; lb., 25c; pk., \$2.00; bu., \$7.00.



Improved Stratagem.

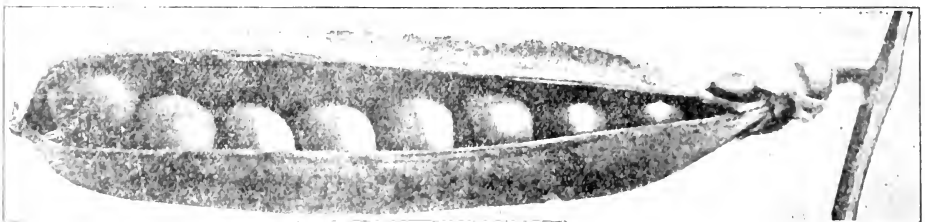
Improved Stratagem—This is one of the finest dwarf wrinkled peas. In quality it is unsurpassed, the peas when cooked being of the most delicious sweetness. The vines grow only 18 inches high and do not have to be brushed; they are, nevertheless, extremely robust and bear many very large pods packed with immense dark green peas. A remarkably fine sort for both home and market use. The heavy demand always makes this pea short. $\frac{1}{3}$ pt., 10c; lb., 25c; pk., \$2.25; bu., \$7.00.

Heroine—In every way worthy the great popularity it has already attained. Elegant habit of growth, luxuriant foliage, pods remarkably long and handsome, slightly curved, well filled with large, luscious peas of fine flavor. This fine variety apparently as good as Stratagem for all purposes, is far superior to that in habit, growing remarkably even and true. Height, 2 feet. Seed green and very much wrinkled. About a week later than Advance. $\frac{1}{3}$ pt., 10c; lb., 25c; pk., \$2.25; bu., \$7.00.

The Admiral—A very heavy-cropping green wrinkled pea. Ripens with the Telephone and remains palatable longer than any other variety after it becomes large enough to use. The abundant pods are closely packed with peas of the very best quality. Vines 3 to 4 feet high. $\frac{1}{3}$ pt., 10c; lb., 25c; pk., \$2.00; bu., \$7.00.

Bliss' Abundance—Remarkably productive. Plant $1\frac{1}{2}$ to 2 feet in height; pods, 3 inches long; peas large, wrinkled, of superior quality. $\frac{1}{3}$ pt., 10c; lb., 25c; pk., \$2.00; bu., \$7.00.

White Marrowfat—Almost exactly similar to Black-Eye Marrowfat as to growth, season and productiveness. A favorite on account of its being such a heavy yielder. $\frac{1}{3}$ pt., 10c; lb., 25c; pk., \$1.50; bu., \$4.75.

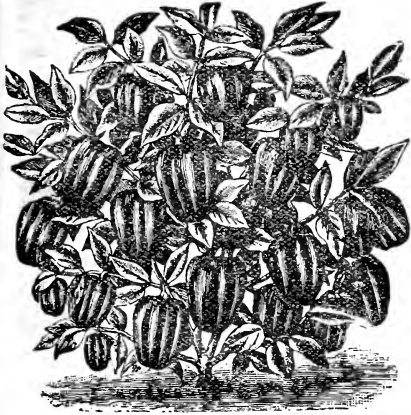


Yankton Main Crop.

Yankton Main Crop—See Good Things for 1913. The best general crop pea. $\frac{1}{3}$ pt., 15c; 1 lb., 35c; pk., \$2.50.

Horsford's Market Garden—A very fine wrinkled pea. Grows 2 feet high, very uniform and is an immense yielder. Because it yields so well it is one of the favorite canning sorts, hundreds of acres being planted by the large packers. The pods are of only medium size, but are always full of good-flavored peas. Medium in season. $\frac{1}{3}$ pt., 10c; lb., 25c; pk., \$2.20; bu., \$7.00.

Duke of Albany, or American Champion—Height, $2\frac{1}{2}$ to 3 feet; vigorous, productive, pods about $3\frac{1}{2}$ to 4 inches long, broad, nearly straight, well filled; quality extra fine. Seed large, light green, very much wrinkled; remains eatable longer than other peas. $\frac{1}{3}$ pt., 10c; 1 lb., 30c; pk., \$2.20; bu., \$7.00.



PEPPERS

Chinese Giant, or Procopps Giant—Double the size of Ruby King, the largest and finest mild red pepper. Not only is it immensely productive for so large a pepper, but its enormous size and magnificent appearance make it sell most readily. Plants well branched and thickly set with enormous fruits; frequently half a dozen peppers will touch each other. The monstrous peppers are of thick, blocky form and of most brilliant, glossy scarlet. They grow 4 to 5 inches broad at the top, and are of equal length. All are uniformly of most "enormous" size. It makes an excellent salad sliced and served like tomatoes. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

Bull Nose, or Improved Large Bell—The standard sweet-flavored scarlet sort. Plants 2 feet in height, prolific and quite early ripening. Sweet scarlet fruits 3 inches in length and 2 inches in diameter. Our stock is particularly fine. It is earlier than Ruby King. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 70c.

Ruby King—This is the most popular large red pepper. Plants grow 2 feet high and bear a fine crop of extra large scarlet fruits. The flesh is quite thick, sweet, and so mild that the peppers may be eaten from the hand like an apple. Especially fine for mangoes. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c.

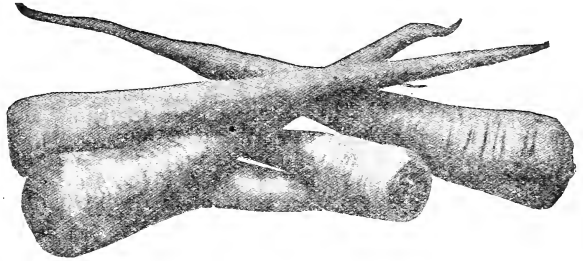
Long Red Cayenne—The true Cayenne, hot and pungent. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Golden Queen—Largest sweet yellow pepper. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 85c.

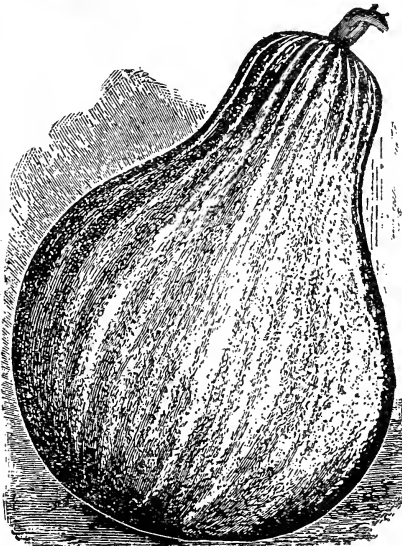
Tobasco—Hottest small bright red. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

PARSNIPS

Guernsey (Improved Half Long)—The roots do not grow so long as the Hollow Crown, but are of greater diameter and more easily gathered. The roots are very smooth, the flesh is fine grained and of most excellent quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.



Long Smooth, or Hollow Crown (Abbott's Improved Long Sugar, or Long White Dutch Parsnip)—A great cropper; tender, sugary and considered the best for general cultivation. Parsnips are improved by remaining exposed to frost. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.



Tennessee Sweet Potato.

PUMPKINS

These are easily grown and profitable for stock feeding. At time of corn planting scatter seeds in every fourth or fifth hill, or for a large crop sow in May, in good warm soil, in hills eight to ten feet each way; four plants to a hill.

Large Cheese, or Kentucky Field—Cheese-shaped; in flavor like Crook-neck Squash; yellow-fleshed, fine-grained and very productive; superior to many field varieties. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Connecticut Field—A large yellow variety; hard shell; an excellent variety for field culture. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 40c.

Quaker Pie—A distinct and valuable variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

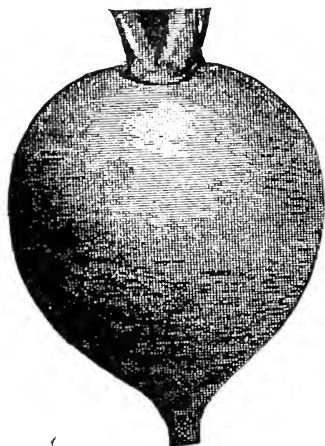
Tennessee Sweet Potato—Grows to a medium size; pear-shaped, and a little ribbed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

Sugar—This variety is smaller than the Large Field, but of finer grain, sweeter and very prolific. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

Mammoth King—The largest variety ever introduced. An enormous yield, having produced over 100 tons per acre. The flesh is very thick, bright orange color and of fine quality, and in flavor equals squash. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.



Field of Connecticut Field Pumpkin.



Crimson Giant Radish.

RADISHES

For a successive supply sow from the middle of March until September, at intervals of two or three weeks. For an early supply they may be sown in a hot-bed in February, care being taken to give plenty of ventilation, otherwise they will run to leaves.

Crimson Giant—A remarkable feature of this radish is that it will grow double the size of other round red forcing radishes and will remain solid, not showing the least sign of becoming hollow. It will grow six and seven inches in circumference, weigh about ten ounces, and will remain solid and juicy. Shape is round to oval and very attractive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c.

White Strassburg—Very large half long sort of unexcelled flavor. It is a rapid grower, sometimes producing a crop in six weeks. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

Rosy Gem—One of the quickest growing and hand-somest extra early radishes in cultivation. It is crisp and tender, while its perfect globe shape leaves nothing to be desired. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

Giant White Stuttgart—An immense white radish. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

The Icicle—This new radish is undoubtedly the finest white radish grown. It is very slender, pure white in color, and the tenderest long radish I have ever had. It is very early, as early as the Long Red. Compared with the Lady Finger, it is earlier and more tender, but not so large. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

Hailstone—The quickest growing white radish; ready for the table in from fifteen to eighteen days. The radishes are regularly "turnip-shaped." The flesh is solid, crisp and mild in flavor. The foliage is extremely small. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 80c.



Early Scarlet Turnip.

Early Scarlet Turnip, White Tipped—Very early; color bright scarlet, tipped with white; an excellent market variety; fine for forcing. Their shape is perfectly globular, with rich deep scarlet top, blending into pure white at the bottom. Tender, crisp and delicious. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

Chartier, or Long Rose, White Tipped—A very distinct variety, being dark red at the top, and merging into pure white at the base. It stands well and will grow to a large size before it is unfit for the table. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.



Icicle.

Early Long White Vienna, or Lady Finger—This is unquestionably the finest long white radish in cultivation. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

Long, Brightest Scarlet, White Tipped—This is a new variety, resembling the Early Long Scarlet in shape and size, and is very early, being ready for use twenty-five days after sowing. Very handsome, being of the brightest scarlet, tipped with white. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

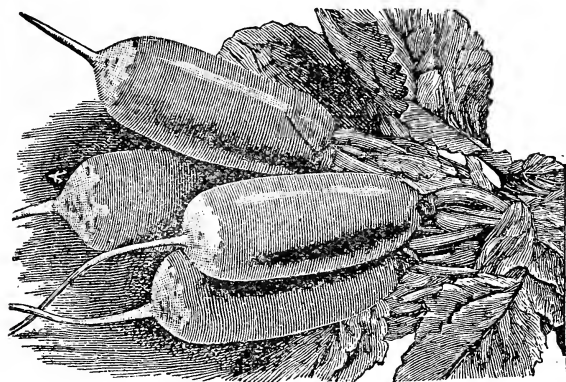
All Summer's Radish—This new radish is a great acquisition to the list of radishes. It can be planted very early and can be used as soon as it is large enough, but will continue to grow if left in the ground until it is as large as an ordinary turnip and does not become pithy or strong if left in the ground for as long as two months. It is one of the best money makers for the market gardeners on account of its long season and its immense size. At maturity it is nearly as large as an ordinary globe turnip and can be sliced and eaten with vinegar

and is at least the equal of any other radish grown. Color is bright scarlet, globe in shape, and exceptionally fine radish in bunches. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

French Breakfast—A great favorite, beautiful bright scarlet with pure white tip, oval in shape, fine for open ground or force. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

Half Long Scarlet, or Paris Beauty—Half long, bright scarlet, medium size, good quality and early. Color especially good for market gardeners. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c.

Scarlet Olive Shape—Oval root $1\frac{1}{2}$ inches deep, $\frac{3}{4}$ inch diameter; skin deep scarlet, flesh tinged with red. One of the best. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c.



Winter Radish

This is a much neglected vegetable, and for the same reason that you neglect the turnip and rutabagas. When you are making your order for vegetables you pass the Winter Radish, as you will not be ready for it before June or July. The result is when planting time comes you have no winter radish seed, and consequently you get no winter radishes. Add enough of these to your spring order so that you may have plenty of the vegetable for winter use. It costs only a few cents and yields abundant returns. Take them up in the fall and store in your house, or cellar, same as older vegetables, and you will have fresh, crisp radishes nearly all winter. Give these a trial this year.

Chinese Rose, or Scarlet China—An excellent winter radish. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

California Mammoth White Winter—Of immense size; long. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

Round Black Spanish—The favorite winter radish of Germany. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

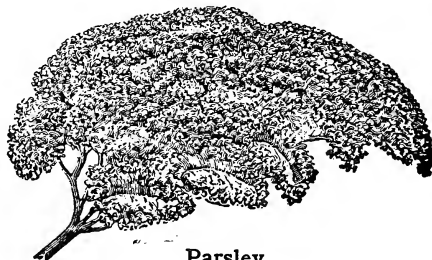
Long Black Spanish Winter—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

Chinese White Winter Radish—Four to five inches long, one and one-half to two inches in diameter; color clear white, quality mild and crisp. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 55c.

PARSLEY

Parsley thrives best in a rich soil. The seeds germinate very slowly, three or four weeks generally elapsing before it makes its appearance. Sow early in spring half an inch deep, previously soaking the seeds for a few hours in tepid water. One oz. to 150 feet of drill.

Champion Moss Curled—A beautiful crimped and curled variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 70c.



Parsley.

RHUBARB OR PIE PLANT

How many farmers and city people are supplied with this delicious fruit? It is easily grown and produces abundantly. It comes the first of anything in the spring, just when you want it. The canned fruit from the cellar is exhausted and the price of fresh fruit at that time is almost prohibitive. It will grow any old place and will thrive there for years, but the better place, care and cultivation given it the better the returns. It is as easily grown from seed as from the roots, and you get a nice cutting the second season. Try at least a package of these seeds.

Linnaeus—Early, large and tender. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

Victoria—Very large, later than Linnaeus. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

SQUASH

This vegetable is greatly neglected by the majority of farmers, as it adds greatly to the winter vegetables, it is easily grown, yields abundantly, and a most satisfactory vegetable. In placing your order do not forget the new Delicious, Burbank's Patagonia and the old standard Hubbard. They are all good.

The Squash Vine Borer

The roots and stems are sometimes infested with a whitish larva that feed upon the inner substance, often doing so serious a damage as to cause a plant to wilt and die. Prof. J. B. Smith makes substantially the following recommendation:

"Fertilize the ground heavily and evenly, not in the hills alone. Second, as early as may be, plant summer squash on the land to induce the moths to deposit eggs in them. Third, plant the late varieties, such as Hubbard, etc., as late as advisable, making the hills between those of the earlier varieties. Keep a lookout for the moths and when they are noticed go over the field every evening during the twilight and kill all that are found sitting on the leaves. A little practice will enable one to cover three rows at one time without missing a specimen, and in less than an hour a large field can be cleared of moths. As soon as the late varieties need the ground the Crooknecks will have made at least a partial crop, even though badly infested by borers. The vines should be immediately removed and destroyed. As soon as the vines of the late squash begin to run well they should be covered as far from the roots as the fourth or even the fifth or sixth joint; this will allow them to form roots at these joints, and assist the parent root to mature the crop.

The Squash Bug

About the time the vines show the second set of leaves the squash bug makes its appearance, and the squash bug being so well known we will not describe it here. Immediately after the plants show about the second set of leaves, the female deposits her eggs mostly on the under side of the leaf; the eggs hatch in about ten to fifteen days, the young bugs remain near each other, sucking the juices from the foliage and soon causing the leaves to wither. The eggs are easily seen and should be picked off and destroyed; the adults can not be killed by Insecticide, but the young may be destroyed by spraying with kerosene emulsion.

This bug also feeds on the cucumber and melon when it first comes up, and the melon and cucumber crop may be protected by planting early squash among them, as the bugs much prefer the squash to the other vines. See "cucumbers" for other enemies.

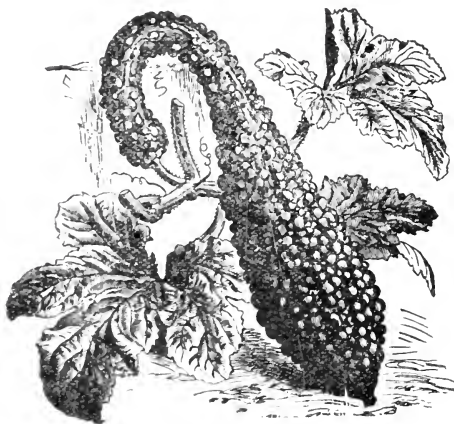
When the ground is warm and the weather settled, sow in hills in well prepared ground, mixing two or three shovels of well-rotted manure in each hill. Light soils are best suited to their growth. Plant bush varieties from three to four feet apart to three or four after they have made partial growth. Plant bush varieties from three to four feet apart each way, and the trailing sorts six to eight feet. Bush Squash, 1 oz. to 50 hills, 5 to 6 lbs. to the acre. Marrow Squash, 1 oz. to 20 hills, 3 to 4 lbs. to the acre.

Summer Squash

Giant Bush Summer Crookneck—Matures very early. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

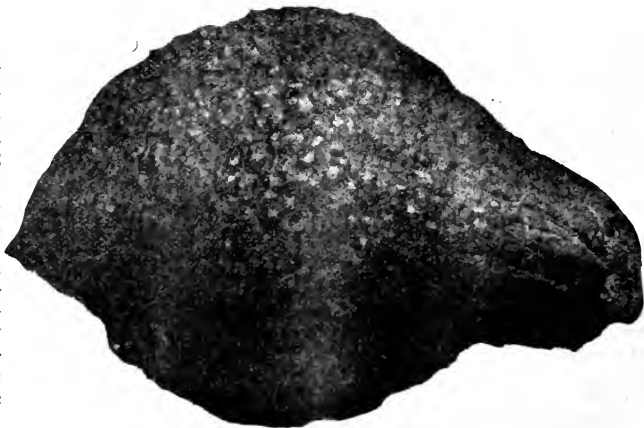
Mammoth White Bush Scalloped—Large size; flesh clear, waxy white, tender and delicate. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

Golden Custard Bush—A very productive early scalloped sort; color rich golden yellow; quality excellent. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.



Chicago Warty Hubbard — A choice dark green and very warty selection from the well-known Hubbard, retaining all the good qualities of its parent. Very handsome, a good keeper and sells at sight. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Red, or Golden Hubbard—A perfect type of the Green Hubbard, except in color, which is a bright deep orange yellow, very showy and attractive. Flesh deep golden yellow, much richer in color than Hubbard, fine-grained, cooks very dry and is of excellent flavor. Its keeping qualities are fully equal to, while in productiveness it far excels the green variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.



Chicago Warty Hubbard

SQUASH

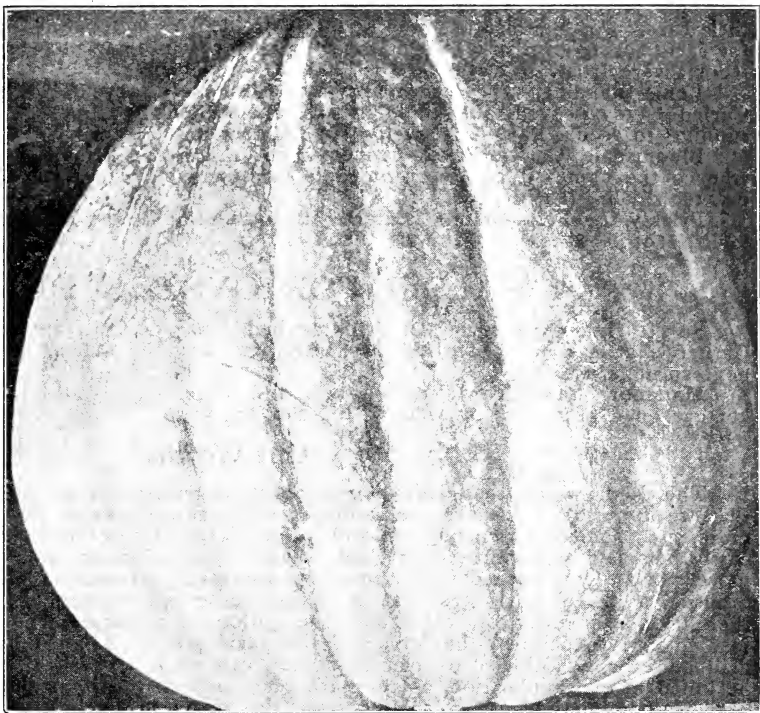
How many ton can you grow to the acre? Twenty ton is not an unusual crop. If used only for stock food it's the best acre on the farm.

True Hubbard—This is the well-known Winter Squash, now grown so largely throughout the country. Vines of strong running growth; fruits large, olive shape, with dark green skin and very rich flesh. An excellent keeper and of splendid quality. Our strain is extra fine. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

The "Golden Bronze"—The squashes average from 8 to 10 lbs.; color a dark grayish green, flesh bright golden yellow, fine-grained, very sweet and of delicious flavor. Early in maturing, a splendid keeper and very uniform in size and shape. Pkt., 5c; oz., 10c; 2 oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Mammoth Whale—This is the "Jumbo" of the Squash family, and creates great attention wherever grown or placed on exhibition. It is an extra large-fruited sort, quite distinct in form and appearance. The squashes grow from $2\frac{1}{2}$ to 3 feet in length, with a slight neck at the stem end. The large seed end is swelled to a width of 12 to 18 inches and slightly flattened, giving a most distinct appearance which suggests its name, "Mammoth Whale." The skin is of a dark olive-green, with slight stripes of a lighter tinge. Under good cultivation the fruits frequently attain more than one hundred pounds in weight. Flesh firm and solid, of beautiful orange yellow and excellent quality. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Delicata—A small fruited variety, suitable for both summer and winter use. The fruits are oblong, slightly ribbed with orange yellow, skin striped with dark green; flesh thick and solid; cooks dry and is of rich flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.



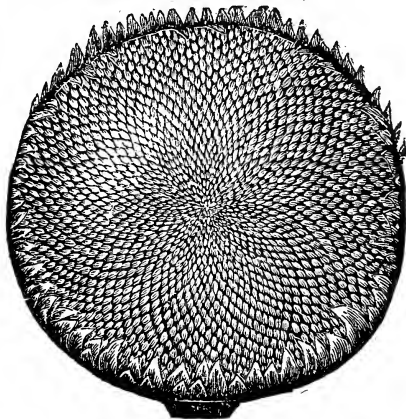
Mammoth Whale.



Delicata.

SUNFLOWER

Mammoth Russian—The plant produces very large heads which measure twelve to twenty inches in diameter, and contain an immense quantity of large striped seeds, which are highly valued as an excellent and cheap food for fowls. They eat it greedily, thrive well, and lay the greatest number of eggs. Small rations of the seed fed to horses and other stock during the winter months are of great service to keep them in fine, healthy condition, imparting a sleek glossiness to the coat of hair. It will produce a good crop of seed even on thin, poor land. Oz., 5c; lb., 30c; 10 lbs., 90c.



SPINACH

This is one of the most important of our market garden crop, and one that requires very little care. For summer use sow at intervals of two or three weeks from April to August, and for early spring crop sow in September, covering it in exposed places with straw to protect it from severe frost.

Long Standing—The leaves are thick, fleshy and crumpled, equal to the Bloomsdale Curled Savoy-Leaved, and standing at least two weeks longer than any other variety without running to seed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 35c.

Bloomsdale Curled Savoy-Leaved—The leaves are wrinkled like Savoy Cabbage, from whence the name; it is a very valuable variety, particularly for market gardeners. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 35c.

Prickly, or Fall—Stands winter well; of less bulk than the round leaf. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 35c.

SALSIFY OR OYSTER PLANT

Sow early in the spring in drills 14 inches apart. Cultivate same as Carrots or Parsnips. Gather what may be wanted for the winter, and let the balance stand in the ground for the next spring's use.

Mammoth Sandwich Island—A new and large areas of all kinds of crops. Cut worms are ket gardener. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Cut Worms

This is the worm that does more damage to growing crops than any other one insect pest that we know of; it attacks the cabbage and tomato plants as well as the fields of corn, small grain, etc., sometimes cutting off and killing large areas of all kinds of crops. Cut worms are easily poisoned and can be controlled readily on small fields, and on large ones with a little more work. Our method in the nursery, where they attack the small trees, is to mix 100 lbs. of bran, 5 lbs. of paris green (and mixing these two thoroughly before wetting the mixture), then take a quantity of water and one gallon of molasses. Stir this thoroughly and use just enough to dampen the bran and the paris green. This mixture is put in a Planet Jr. drill and a row followed as fast as a man can walk. Practically all of the cutworms will be killed in one application, as they are very fond of the bran and molasses.

Another method is to scatter over the ground bunches of fresh clover or cabbage leaves which have been treated with paris green or arsenic either by dipping into a solution of the poison or dusting it on dry.

Do not let stock eat any of these poisoned leaves or the poisoned bran.

TOMATOES

It is not how cheap we can furnish you tomato seed, but how good. In buying Tomato seed from us you are getting the **Gurney quality** which means the very best produced. There are no better strains of any of the varieties that we are offering and the constantly increasing demand for **Gurney Tomato seed** proves that we are furnishing seed that produces the best quality, quantity, smoothest and best shipping of any.

Chalk's Early Jewel—The largest of the extra early bright red tomatoes. About one week later than Spark's Earliana, a heavier cropper of large size and better flavored fruit, which are produced continuously throughout the season. On account of the handsome appearance, bright color and extremely good quality it has commanded nearly double the price on the local markets over Spark's Earliana. On account of its extremely heavy foliage, fruit never scalds in the hottest weather. Pkts., 10c; $\frac{1}{2}$ oz., 20c; oz., 40c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Spark's Earliana—The earliest, large, smooth, red Tomato. This Tomato is not only remarkable for its earliness, but for its very large size, handsome shape and bright red color. Its solidity and fine quality are quite equal to the best medium and late sorts. Enormously prolific. The very finest for the Northern market and home garden. In many localities it is now planted almost exclusively. Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.25.

Osakis, Minn., Feb. 24, 1913.

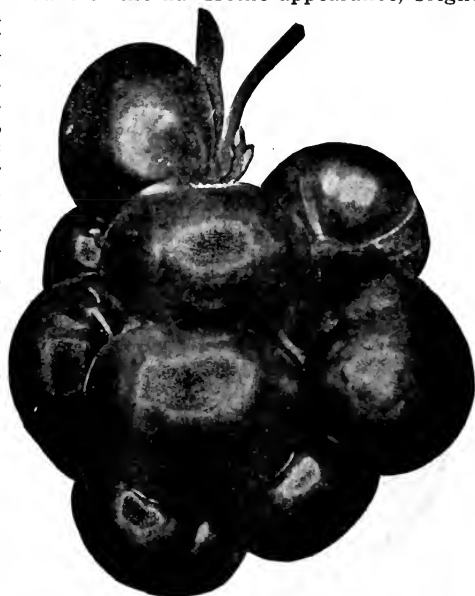
You have probably sent me your catalog to Midland, S. D., my old address. The fruit trees I bought of you bore some last year near Midland, especially the Compass Cherry.

C. E. BROWN.

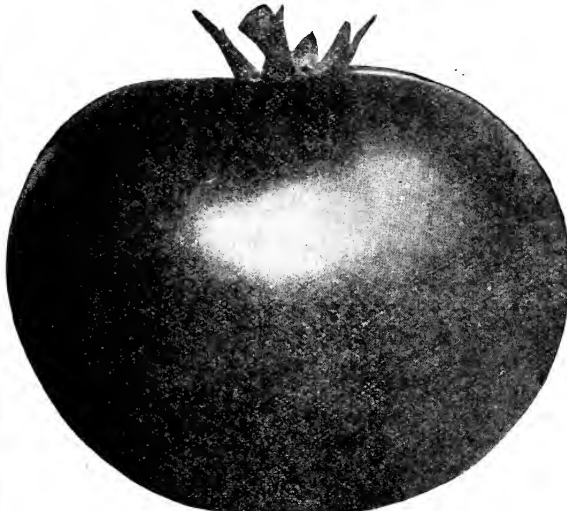
Fairbury, Ill., Feb. 25, 1913.

I want some Earlibell Tomato Seed. I got some from you last year and it was extra fine; I had ripe tomatoes in sixty days from planting seed; it is the earliest I have ever grown.

J. A. SHEAFF.



Spark's Earliana.



Early Dwarf Champion.

Early Dwarf Champion—A great favorite on account of its dwarf habit and upright, tree-like growth, which permits close planting; fruit resembles Acme; medium size, the color being a purplish pink, very smooth and symmetrical, fine quality, very solid meated. The vine growth is very strong and stiff, so that it needs almost no support. Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.25.

New Stone—The Tomato for a main crop. Choicest Seed. We call this the king of the Livingston kinds, which are the best types of large, smooth, solid, "beefy" Tomatoes. If asked to select one main crop, market sort, we advise this. Color fine scarlet; stem set high, core small and shallow, so that but little is lost when it is taken out of the fruit before slicing. We want to make what we say of this kind definite, because

there are very many good kinds, and a long list is confusing. If in doubt, buy the New Stone. Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

Paragon, or Royal Red—Medium early fair size, perfectly smooth, solid, deep red. One of the very best market tomatoes. Especially good for market gardeners on account of its beautiful color. Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

Acme—One of the earliest and handsomest varieties. The fruit is of a medium size, perfectly smooth and regular in shape; very solid and a great bearer; color dark red with a purplish tint. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

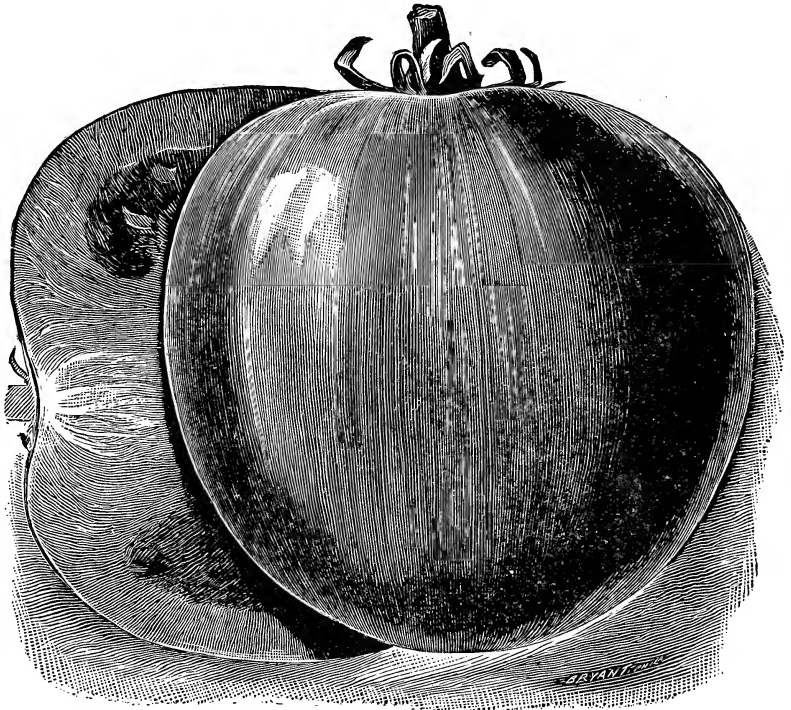
New "Globe" Tomato

NEW GLOBE

Every Tomato of this variety just alike. Size, color, solid meat and quality. Every vine full and ripens early. Get next to it, Market and Home Gardener.

An extra good all round sort, of distinct globe shape, with quite a large percentage of elongated fruits. It is a beautiful variety, and, on account of its shape, one that permits of a greater average number of slices to be taken from each fruit than from other sorts.

In time of ripening it belongs among the first earlies. The fruits are of large size, and a good marketable size is retained throughout the season; always smooth, of firm flesh and has few seeds; ripens evenly; color a fine glossy rose, tinged with purple, and without the slightest hint of yellow at any stage of ripening. An exceedingly productive variety, and a remarkably good keeper. In quality there is nothing more to be desired, being mild, pleasant and of delicate flavor; unsurpassed for slicing or to eat from the hand. For early growing on stakes or trellises, which is now so much in vogue, it is second to none of the purple sorts. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; 2 ozs., 70c; $\frac{1}{4}$ lb., \$1.15.



Golden Queen—This is the only first-class, large, purple-yellow Tomato. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 80c; lb., \$2.20.

Dwarf Stone—A splendid new Tomato, originating with the famous Livingstons. In habit of vine it resembles Dwarf Champion, but it is of stronger growth and more erect. The fruits are the same color and size as the regular Stone, with the additional advantage of the Dwarf Champion habit. Under ordinary field culture this sort completely outclasses Dwarf Champion. Here is the record. Ten fruits picked at one time from one vine weigh 5 lbs. and 3 ozs.; five fruits selected for average specimens weighed 2 lbs. 9 ozs., a safe average of say $\frac{1}{2}$ lb. Specimen fruits of 1 lb. each are very common. They will without question become a standard sort. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.25.

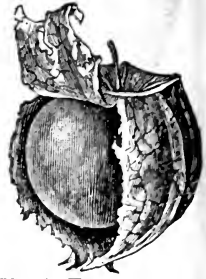
Beauty—(Livingston's)—A very fine variety of large size; grows in clusters of four or five; color glossy crimson with a purplish tinge; very solid, with a tough skin, making it a desirable market variety. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Favorite—(Livingston's)—Ripens evenly and as early as any good variety, holding its size to the end of the season; very prolific; good flavor, few seeds, flesh solid. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

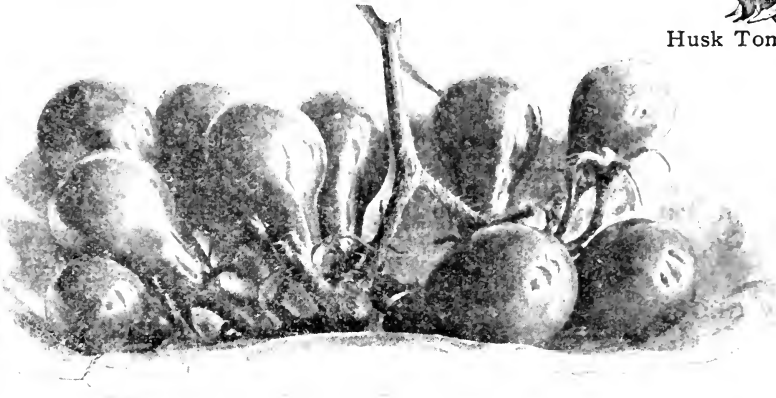
Perfection—(Livingston's)—Larger in size than the Acme—color blood-red; it is one of the first to ripen; almost round in shape; perfectly smooth and very solid; of the best quality; enormously productive. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

Pear Yellow—Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c.

Strawberry, or Husk Tomato—Also called Ground Cherry. Plants of spreading habit and immensely productive. Pkt., 5c; oz., 40c.



Husk Tomato



Yellow Pear



Rutabaga

TURNIPS AND RUTABAGAS OR SWEEDES

Along in June each year we receive numerous orders for these Seed that should have been sent with early orders. Nearly everybody fails to include Turnip and Rutabaga Seed with their regular order on account of their not being wanted until late in the summer. The result is when ready to plant you do not have the Seed, go without. Include all you are going to need with your first order; you are then sure of having plenty of good Seed when planting time comes.

Light, well-manured soil is best suited for Turnips. Sow the earliest varieties in April, in drills about 15 inches apart, and thin out to from 6 to 9 inches in the rows. For a succession sow at intervals until the end of August.

Golden Ball (Robertson)—A rapid grower, globe-shaped and of beautiful color and a good keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c.

Large White Globe—One of the most productive; in rich soil the roots will frequently grow to 12 pounds in weight; globe-shaped, skin white and smooth. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 55c.

Purple, or Red Top Strap Leaf—Flat; fine flavor and one of the most popular varieties grown, and when sown late it is one of our best varieties, being an excellent keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Early Purple Top Munich—A German variety; very handsome, very early, with a bright purplish-red top and fine mouse-tailed root. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

Extra Early White Milan—Extra early Turnip, in which the extreme earliness, small top and tap root of the Purple Top Milan is united with the clear white skin and flesh. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 70c.

Aberdeen Yellow—Late, large size, globular form, skin deep yellow, flesh pale yellow. One of the best keepers and equal in quality to the rutabaga. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 75c.

Sutton's Snowball—New English Turnip—As its name implies, it is a round, clear white turnip of unusual size and a great yielder. Should be planted in July for winter use. One of the best keepers. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

RUTABAGAS OR SWEEDES

For feeding stock in fall or winter there is nothing superior to Turnips or Rutabagas, as they are much liked by all kinds of stock and serve to keep them in good condition. We cannot too earnestly recommend farmers to increase their sowings largely, for we are sure the crop will prove remunerative.

Sweet German—Flesh white, hard and firm, partaking much of the nature of a Rutabaga; must be sown much earlier than the flat Turnip; in the autumn and early winter it is apt to be hard, but mellow like an apple by keeping. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c.

Purple Top Yellow—Best variety of Swedish Turnip in cultivation. Hardy and productive; flesh yellow, of solid texture, sweet and well flavored; shape slightly oblong; terminates abruptly with no side or bottom roots; color deep purple above, and bright yellow under the ground; leaves small, light green, with little or no neck; the most perfect in form, the richest in flavor, and the best in every respect. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c.

HOW TO MAKE A HOT BED

Each season we have numerous inquiries for the proper method of making a hot-bed, and some of its uses.

The hot-bed is very necessary for the successful growth of early plants, and in the north should be started in March and April, depending on the plants which you wish and the time you wish to have them ready to put out in the open ground.

INSTRUCTIONS: Dig a trench east and west three feet wide and about sixteen inches deep, and as long as you want it. This trench should be dug, preferably, on the south side of a building or windbreak; far enough away from a building to escape the drip from the eaves. Fill this trench with horse manure from the stable, tramping and wetting it thoroughly so that it will heat evenly; cover this manure with about three or four inches of good soil, and when the soil has warmed up from below planting may be commenced.

Frame and Covering for the Hot Bed

For the north wall use a board about twelve inches high; for the south wall about six inches high. The end boards cut on a slant; the north end twelve inches, the south end six inches, making a slant of six inches in three feet towards the south. This makes your frames.

For the covering we use either hot-bed sash or a frame covered with a good canvas, well hinged on the north and hooked on the south so that the wind can not disturb it.

After your plants have started and the weather is so you can, raise the covering and let in as much air and light as possible. Be sure to close them on frosty nights.

It is well to purchase a thermometer and keep on the inside of the hot-bed, under the cover; the temperature should not be allowed to go above 75 degrees nor below 50 degrees at night. In a hot-bed of this kind you can start almost any kind of vegetable or flower seed, and have ripe fruit and blooming plants much ahead of plants sown out in the open in the ordinary way.

VEGETABLE PLANTS

All of our Vegetable Plants are grown from carefully transplanted stock and must not be confused with the regular bed plants, which will endure less shipping and will not produce as strong, healthy plants as the transplanted stock. We can furnish the cheaper stock at about one-half the prices given below, but do not recommend our customers to purchase any but those which have been transplanted. Packing charges are included in the prices given, but purchaser must pay transportation in every instance. Plants of all kinds should invariably be sent by express, as they will arrive at destination in less time than if sent by freight, and will also be given better care and attention in transit.

Cabbage, Early—Ready by April 1st. Per 1,000, \$5.00; 100, 85c; doz., 20c.

Cabbage, Late—Ready by June 1st. Per 1,000, \$5.00; 100, 85c; doz., 20c.

Cauliflower—Ready by April 1st. Per 100, \$1.25; doz., 25c.

Celery—Ready in June. Per 1,000, \$5.00; 100, 75c; doz., 20c.

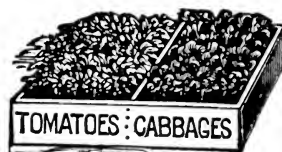
Egg-Plant—Ready May 10th. Per 100, \$3.00; doz., 40c.

Parsley—Ready by April 1st. Curled. Per 100, \$3.00; doz., 40c.

Pepper—Ready by May 1st. Ruby King. Per 1,000, \$6.00; 100, \$1.50; doz., 25c.

Sweet Potato—Ready by May 20th. Per 1,000, \$5.00; 100, 75c; doz., 20c.

Tomato—Ready by May 1st. Per 1,000, \$6.00; 100, \$1.25; doz., 25c.



FLOWERING PLANTS

The same care used in selecting and growing our Vegetable Plants is also taken with our Flowering Plants. Packing charges are included in prices given, but purchaser must pay transportation in every instance.

Asterper doz., 30c

Salviaper doz., 60c

Pansyper doz., 50c

Verbenaper doz., 60c

Carnation. Rooted cuttings.....per doz., \$1.00

Chrysanthemums. Rooted cuttings.per doz., 1.00

Coleus. Well rooted.....per doz., 1.00

Geranium. From 3-in. pots.....per doz., 1.40

Sweet, Pot and Medicinal Herbs

No garden is complete without a few herbs for culinary or medicinal purposes. Harvest them carefully on a dry day, before they come into full bloom.

Anise—Cultivated principally for garnishing. Pkt., 5c; oz., 15c.

Balm—Principally used for making Balm Tea or Balm Wine. Pkt., 5c; oz., 20c.

Basil Sweet—The leaves and tops of the shoots are used for soups. Pkt., 5c; oz., 15c.

Borage—Excellent for bees. Pkt., 5c; oz., 15c; ¼ lb., 40c.

Caraway—Cultivated for the Seed, which is used in confectionery and medicine. Pkt., 5c; oz., 10c.

Catnip—Pkt., 5c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

Coriander—(*Coriandrum sativum*)—Seeds are used by confectioners. Pkt., 5c; oz., 10c.

Dill—The leaves are used in soups, and put along with pickles. Pkt., 5c; oz., 10c; ¼ lb., 20c.

Fennel—The leaves boiled, used in many fish sauces. Pkt., 5c; oz., 10c.

Hyssop—The leafy tops and flowers dried for making Hyssop Tea. Pkt., 5c; oz., 25c.

Horehound—Principally used for medicinal purposes. Pkt., 5c; oz., 25c.

Lavender—A popular aromatic herb. Pkt., 5c; oz., 15c.

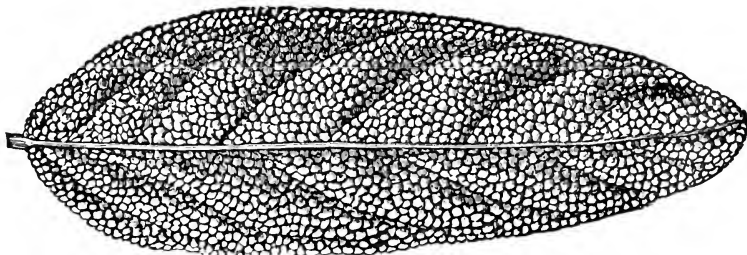
Marjoram, Sweet—For seasoning. Pkt., 5c; oz., 10c.

Pennyroyal—A well-known aromatic herb, also useful as a foliage plant. Pkt., 10c.

Rosemary—An aromatic herb. Pkt., 5c; oz., 25c.

Rue—Used for medicinal purposes, also given to fowls for the roup. Pkt., 5c; oz., 15c.

Saffron—(*Carthamus tinctorius*)—Pkt., 5c; oz., 15c; ¼ lb., 40c.



Sage—The leaves and tender tops are used in stuffing and sauces. Pkt., 5c; oz., 15c.

Savory, Summer—Used for seasoning. Pkt., 5c; oz., 10c.

Tansy—(*Tanacetum vulgare*)—Pkt., 5c; oz., 30c; ¼ lb., \$1.00.

Thyme, Broad-Leaved—For seasoning, etc. Pkt., 5c; oz., 20c; ¼ lb., 75c.

Wormwood—It is beneficial to poultry and should be planted in poultry grounds. Pkt., 5c; oz., 20c.

First select your Seeds, next your Nursery Stock, and on the latter purchase save more than the cost of the former.

Evergreen and Tree Seeds

Sit down this evening, talk the matter over with your wife, and select your Nursery Stock. You will receive quality from us and at prices lower than you ever paid before.

Evergreens may be grown easily from seed if the proper varieties are selected and reasonable care given them. We list a few varieties which are most successfully grown by the amateur, and believe you will have no trouble in making a success of it. There is nothing that improves the looks and value of a place so much as Evergreens.

It is the general impression that they are very high priced, hard to transplant and only suitable for the front yard in the town or city. This is a mistaken impression, as they are cheap and easily transplanted. The one thing to remember in transplanting an Evergreen Tree is never allow the roots to become dry for even one minute.

In preparing your seed bed for Evergreen seed, it should be made about three feet wide, and length according to amount of seed to be placed therein. Rake it over smoothly and sow broadcast, then cover to the depth of about one-half inch with fine soil. Plant the seed in the spring time when the soil is warm and mellow; shade completely until germination takes place, then remove one-half the shade and raise the balance from six to ten inches above the plants, leaving shade on the entire summer after planting. Shade can be made with a frame made of boards or laths, or with branches of trees.

Bull Pine (Ponderosa)—This is the most easily grown from seed of any Evergreen and is successfully grown by any person. One of the most rapid growing, hardy and best trees for wind break. Will do well anywhere that any tree grows. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., \$1.25; lb., \$2.50.

Black Hills Spruce—One of the best ornamental Evergreens grown; resembles the Norway Spruce. Grows much broader and heavier. This variety only seeds once in several years, consequently seed is very scarce and high priced. Pkt., 15c; oz., 75c.

Colorado Blue Spruce—A rare elegant tree, with foliage of a rich blue. One of the most distinct and striking of all the Spruce family. A free grower and perfectly hardy. Pkt., 10c; oz., 60c.

Engelmanni Spruce—From the mountains of Colorado; a rapid grower; foliage smooth; resembles Hemlock. Leaves light green above and silver below. One of the most beautiful and hardy trees. Pkt., 15c; oz., 75c.

Jack Pine—A standard rough, rapid, cold weather tree. Absolutely hardy; a wonderful wind break and easily grown. Pkt., 10c; oz., 50c; $\frac{1}{2}$ lb., \$3.00.

Ash—This is the hardwood tree of the North and is readily grown from seed. About three weeks before planting the Ash seed, place them in a cloth sack and soak them for all of the three weeks. They should be planted about May 1st. Do not allow them to dry after they have been soaked; they will germinate and come up within five or six days after planting if they have been soaked long enough. Do not be afraid of soaking them too long. Pkg., 10c; $\frac{1}{2}$ lb., 30c; lb., 50c.

Box Elder—You all know this tree for a rapid growing, good shade tree, excellent for windbreak and very hardy when produced from strictly northern grown seed. Oz., 10c; $\frac{1}{2}$ lb., 30c; 1 lb., 50c.

Buckthorn—Very best hardy ornamental hedge. Oz., 20c; $\frac{1}{4}$ lb., 60c.

Catalpa Speciosa—Or hardy Northern Catalpa—This is the only Catalpa that is of any value in the North, and all the seed offered by us is Dakota grown; consequently, it is the hardest of this variety. These do well in any part of Iowa, South Dakota, or any place south of this latitude. Seed are very light and consequently there are a great number to the ounce. Pkt., 10c; oz., 40c; lb., \$3.00.

Hackberry—This is one of the best ornamental shade and forest trees that can be grown anywhere in the Northwest. It is readily grown from seed, and the seed should be planted in early spring. The seed which we will send you has been stratified and prepared for planting. Pkg., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

Honey Locust—This is one of the most rapid growing and most beautiful of all of the northern shade and timber trees. In the spring it is covered with long racemes of pure white, very fragrant flowers, and in the fall and early winter is covered with the long and tropical looking seed pods, seed about the size of a navy bean. This is one of the most valuable, most rapid growing and easiest grown of any of the forest trees. Oz., 10c; $\frac{1}{2}$ lb., 40c; 1 lb., 75c.

Black Locust—A native American tree of large size and rapid growth. Flowers in long white racemes, very fragrant, valuable for timber and is being largely planted for timber posts, etc. Along the railroad lines east of Chicago there are hundreds of miles planted to Black Locust. This tree is easily grown and perfectly hardy. Seed very small. Oz., 15c; $\frac{1}{2}$ lb., 65c; 1 lb., \$1.25.



Colorado Blue Spruce.

Russian Mulberry—This well-known hedge, shade, and fruit tree grows readily from seed. Often grows to a height of 4 feet the first year. Our seed of this is grown here at Yankton. Pkt., 10c; oz., 30c; lb., \$4.00.

Red Oak—This is the large growing hardy timber oak. Grows readily from the acorns and should be planted on every farm. The acorns which we are sending you have been stratified, which makes them ready for planting and growing. Nearly every seed will grow. $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 30c; 1 lb., 50c.

Russian Olive—The seed crop of this valuable tree has been a total failure for three years. This past season we have a crop of seed. They grow readily from seed. 1 oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 45c.

Siberian Pea Tree—Very hardy ornamental tree for hedge or low growing wind-break. Very fragrant yellow flowers. Oz., 15c; $\frac{1}{4}$ lb., 50c.

NORTHERN GROWN SEED POTATOES

This has been a season of plenty and famine in the potato line, depending entirely on the section of the country and the variety grown. Our seed stock is all northern grown and guaranteed to be strictly first-class and free from disease. You cannot secure better seed stock than we are offering. Every potato a seed potato.

The old way of shipping Seed Potatoes in bags has been the cause of a great deal of loss and annoyance to the planter. They come through with the bags torn and potatoes bruised and unfit for Seed.

We ship our Potatoes in bushel boxes and barrels only, as per photograph shown at the head of the White Ohio Potato. Where a smaller quantity than one bushel is wanted they will be packed in the most careful manner possible, but will not reach you in as fine shape as the bushel boxes. Every Potato in our boxes is a Seed Potato, and will be satisfactory to our customers.

No Potatoes grown can be compared with those produced in the North, either for vigor and freedom from disease, or producing and long keeping qualities. Our Seed Potatoes have been carefully and especially grown for Seed. We are pleased to say that the quality of our stock is as fine and pure as was ever grown.

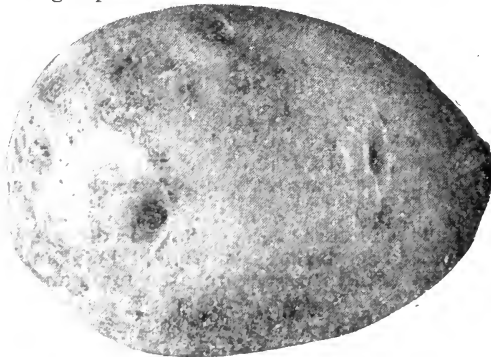
Advantages of Changing Seed—There is no other crop raised that is so much benefited by the introduction of fresh seed as the Potato. They seem to take on new life and prosper wonderfully, provided the change is to a well selected stock, and the further North it is grown the better. Our best customers will not plant their own raising of Seed at all, but buy of us every year. They can grow nearly double the crop on the same land they can from their own raising, and the Tubers are smoother, handsomer and better quality and more salable on the markets. A good change of Seed always pays.

When wanted in large quantities, write for special prices.

Prices of All Field Seeds Are Subject to Change Without Notice.

\$10.00 Cash Premium at Your State Fair

This season we are offering a cash premium at all of the State Fairs in the United States, for the best collection of potatoes grown from Gurney Seed. You will note that we are offering twenty-one varieties of seed potatoes this season. If you wish to try out all of these varieties, we are making a special collection of one pound each of the twenty-one varieties, packed carefully and sent to you by express or parcels post, charges paid, for \$3.60. This will give you the greatest collection of fancy potatoes, and you will then be able to determine which are the best varieties for your territory. It would also put you in shape to compete for our \$10.00 cash premium for the best collection of potatoes at the State Fair. It will also give you a chance to compete for the \$10.00 which we offer for the largest Bugless potato grown from our Bugless seed. Remember, twenty-one varieties for \$3.60, express or parcels post, charges paid.



Uncle Sam Potato

THE PEOPLE'S POTATO.

Truly a Remarkable Main Crop Variety.

Aside from its productiveness, attributable to the uniform size of Potatoes, nearly all sizing up alike, none too large and few too small, its crowning merit is its superb cooking quality, which will ultimately place Uncle Sam on every table where quality of Potatoes is appreciated. Regarding the excellence of its cooking quality, we speak from our own personal experience, for never did we have so fine-flavored a Potato on our table. Handsome, pure white, floury appearance; luxuriant foliage completely shading the ground. The tubers are

oval, with pure white russet skin, very shallow eyes near the surface, and are so handsome in appearance and perfect in form that they will always bring an enhanced price upon the market. A late Potato.

Prices, by mail, postpaid: Lb., 25c. Not prepaid, $\frac{1}{2}$ pk., 20c; pk., 50c; bu., \$1.75.

Sundance, Wyo., June 14, 1913.

The trees we had from your nursery are the best that ever came to this part of the country, for which I thank you.

E. H. DANIELSON.

President Roosevelt

This grand new main crop sort will give unbounded satisfaction wherever planted. It is a pure white Potato, oval to round in shape. An excellent keeper and the best cooking sort we know of. It has been on the market four years and last season we could not begin to supply the demand. The skin is slightly russety, showing its

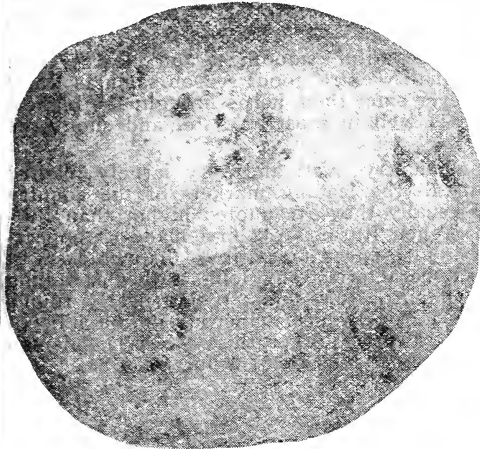


table quality. Our customers say it is very free from disease and stands drouth remarkably well, as it is a most vigorous grower. The flesh is very white and always floury, whether baked or boiled.

This Potato will give all who grow it a "square deal."

Prices, by mail, postpaid: Lb., 35c; 3 lbs., 90c. Not postpaid: ½ pk., 35c; pk., 55c; bu., \$1.85.

Bliss Triumph Potato

This is positively one of the earliest seed Potatoes grown. Produces from 150 to 300 bushels of handsome Potatoes per acre any and everywhere. Splendid for all states, especially South. Stock unusually fine this year, though scarce. It's an extremely popular early variety.

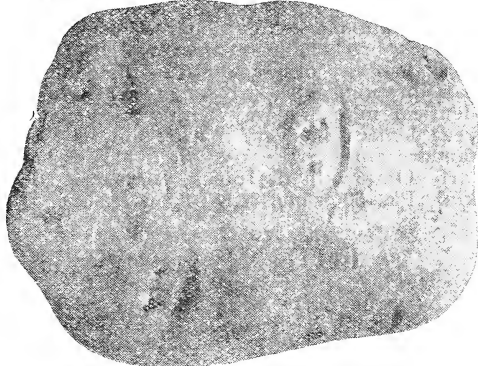
Price: Lb., 30c; 3 lbs., 75c, postpaid. By freight: ½ pk., 50c; pk. 75c; bu. \$1.20.

Irish Cobbler

It is a most excellent extra early variety, maturing good size tubers 7 weeks from the time of planting. It has also the remarkable characteristics of producing very few, if any, small Potatoes, all the tubers being of remarkable size. The vines make short, upright growth, so that the hills may be only a short distance apart. Skin is clean and smooth, flesh is pure white and of excellent quality, always cooking dry and mealy.

The Irish Cobbler enjoys the distinction of being the early variety that is planted more extensively on Long Island (New York) than any other Potato.

Prices, by mail, postpaid: Lb., 30c. Not prepaid: ½ pk., 30c; pk., 55c; bu., \$1.75.



Irish Cobbler.

Pure Early Rose

PURE EARLY ROSE—The Good Old Favorite, Pure and True—Every farmer and gardener knows the good Early Rose Potato, and nothing need be said in its favor. It has no faults, except that ill treatment and neglect sometimes cause a poor or weak strain to be put on the market under the name of Early Rose Seed Potatoes. We have been at great pains, therefore, to get a true and strong strain of Early Rose, and we can offer it as the purest and best that can be had. Indeed, it is the old Early Rose itself, as vigorous and productive as ever. Early Rose will never go out of fashion as long as the original stock can be obtained.

Prices, by mail, postpaid: Lb., 25c. Not prepaid: ½ pk., 30c; pk., 50c; bu., \$1.75.

Six Weeks Potatoes—This remarkably early Potato is especially valuable to the market gardener, and for those with a small garden who grow for extra early Potatoes only. It is ready for use ten days ahead of Early Ohio; of excellent quality; abundant bearers and a good keeper. In shape it is identical with the Early Ohio; color much lighter; skin very smooth with few very shallow eyes. This should be planted largely and you will be well repaid with results. Per bu., \$1.75; 5 bu. or more at \$1.65.



Six Weeks.

Moore, N. D.

Your first package of seed sent to me has just been received after being held somewhere for one month. I am returning same to you, thanking you for duplicating the order, as I did not have to wait for this package. The duplicate order is now growing fine and we have fine promise of a good garden.

JAMES F. GOOD.

Early Ohio—Early Ohio is the most popular early Potato in this country. We have more calls for it than for any other variety. Every Potato grower knows what it is, and knows just about what it will do in his locality. It is the Standard Extra Early the country over, and other varieties are measured by it. We will venture to say that not one farmer in ten the country over who thinks he has Early Ohio has pure stock. Most of them do not know that they are mixed. But Early Ohio is an old variety and has become frightfully mixed throughout the United States. Farmers and market gardeners better sell off their own Ohio and get some pure. They are grown under conditions that make them cost more than common stock. They are selected with the utmost care and the result is grand, such as to delight everyone who knows and appreciates a good Potato. **Pk., 50c; bu., \$1.65; 5 bu., \$7.75.**

Livingston's Banner—This probably is the most beautiful, smoothest and clearest skin white Potato of any grown; runs very even in size; quality extra good; season same as Rural New Yorker. When this Potato was introduced, and ever since then, it has brought the highest price on the market of any late white Potato. It does well in most any soil and should be generally planted. **Pk., 50c; bu., \$1.65; 5 bu., \$7.75.**

Rural New Yorker No. 2—Well known now the country over, and very largely planted for profitable main crop. Rurals are now quoted in all the leading markets of the country along with Burbanks and other standard sorts, and usually they are quoted higher than Burbanks. They are certainly more profitable to raise. When Rural No. 2 first made its appearance as sent out in 1889 by the Rural New Yorker, it introduced an entirely distinct class of Potatoes, unknown up to that time. The class is characterized by long, rather spindling vines, with dark colored stalks, dark green leaves and purple blossoms; tubers nearly round, flattened, with very smooth, pure white skin, uniform in size, quite numerous in the hill, always very attractive in appearance. Our stock of Rural New Yorker this year is a splendid one, and our prices are certainly very reasonable. **Pk., 50c; bu., \$1.50; 5 bu., \$6.50.**

White Ohio Potato

This Potato will bring more money on the market than any other variety grown. S. A. Kimball, market gardener of Parker, S. D., wrote us that the White Ohio seed purchased from us produced the most and best Potatoes, and sold from 10 cents to 20 cents per bushel more than any other Potato in that neighborhood, and that he made more money from them than anything else grown in his garden this season. The yield was 300 bushels per acre. Identical in every way with Ohio, except in color, which is a fine white, or nearly so. The great demand in every market now is for a white Potato, and even the good old Ohio, the standard for extra early, often has to suffer because of its skin. Here we have a genuine Early Ohio with the quick, compact growth of that well-known variety, and withal a white skin. **Pk., 50c; bu., \$1.85; 5 bu., \$9.00.**

GURNEY'S WHITE HARVEST POTATO

A grand early white Potato for the millions, for the large grower, the market gardener and the home gardener; satisfaction to all. Still more satisfaction when it reaches the table. Quality the best, season the earliest. We believe it to be the earliest Potato in existence. New Potatoes with your Fourth of July celebration. It has outyielded the late varieties and is certainly just what you are looking for. Have you ever tried to have the first new Potatoes in your neighborhood? Has the neighboring housewife ever informed you with a bright smile about the first day of July that she has new creamed Potatoes for dinner, and did you go out into your own garden to see if you could do equally well, but found nothing larger than marbles? Get the new White Harvest Potatoes and get the best of her by several days this season. You can do it; we will help you. We have helped you by offering you this wonderful early potato. **Per lb., 30c; 3 lbs., 75c; postpaid; pk., 80c; bu., \$2.25; barrel, \$5.50.**

California Golden Russet Potato

If you grow potatoes for the satisfaction of eating them, or grow them to sell, expecting to give satisfaction to the purchaser, you should grow California Golden Russet. In quality it is undoubtedly the best, medium size, oval in shape, and very seldom any small potatoes. Eyes are level with the skin, cooks easily and is especially nice for baking purposes.

Our seed of this excellent variety was secured from the University of Minnesota and is absolutely pure. It yields equal to any of the standard varieties. It has never been troubled with scab or other potato diseases. Special prices on large lots. **Peck, 60c; ½ bu., \$1.00; bu., \$1.75.**

Shenandoah, Ia., Dec. 5, 1913.

Last year I purchased a peck of your Gurney's White Harvest potatoes; I planted the same and they made a splendid yield. I then exhibited a peck of the new potatoes at the Page County Fair in 1912 and won second prize. I saved the best of the potatoes for seed which I planted in the spring of 1913; the yield this year was also a good one; they were ready for use by the 4th of July. I exhibited a peck of the potatoes at the Page County Fair in 1913 and won first prize. They were admired by many of the people who attended the fairs. I then exhibited the same peck of potatoes at the Iowa State Fair held at Des Moines, August, 1913, and won second prize. I am sending herewith two post card pictures of the potatoes grown from your seed.

FRED HOOD.

GURNEY'S BUGLESS POTATO

A REPORT FROM AN OUTSIDER.

Lincoln County, Minn., Oct. 29, 1913.

I have received your letter in regard to the Bugless Potato. My neighbor bought a half bushel of the potatoes in 1911. From that half bushel he got 14 bushels. His brother and I got a bushel apiece from him and planted them in the spring of 1912. From my bushel I got 30 bu., so this year we planted two and a half acres each and got about 1,500 bu., and our experience with them so far, is that the bugs do not bother them at all. The bugs will set on the vines but do not eat them. When close by the bugs badly spoiled the Early Ohio and we sprayed the Early Ohio with Paris Green but never did we spray the Bugless variety or have them damaged in the least. I don't know why this is or whether it is going to last.—W. Barner.

See **GOOD THINGS FOR 1914** in the first part of this catalog for further description of the Bugless Potato. Price, 1 lb., 40c; 5 lbs., postpaid, \$1.50; 1 pk., by express, \$1.50; ½ bu., \$2.00; 1 bu., \$3.00; 5 bu., \$12.00.

Spaulding's No. 4 Rose

Especially desirable for early market gardening, this being the principal variety grown in Florida for early shipment to the northern markets. Tubers average large, medium length, more or less flat or oval, and light pink or flesh color. Eyes medium to large, and very shallow. Of the Rose type, but tubers larger. This variety is a heavy yielder, therefore profitable, and for one of the medium early sorts of good table quality. 1 lb., 25c; 1 pk., 75c; ½ bu., \$1.25; bu., \$2.00.

Carman No. 3

In appearance like Carman No. 1 except that the tubers are more elongated; in general appearance it resembles the Rural New York No. 2, but is regarded as more popular; the skin and flesh are extremely white and of exceptionally good cooking quality, and very prolific. Tubers grow very compactly in the hills and it is therefore more easily harvested than any other variety. This variety of white potatoes of the Rural type have outyielded all other varieties in this section. 1 lb., 25c; pk., 50c; ½ bu., 90c; bu., \$1.65; 10 bu., \$15.00.

Quick Lunch or Noroton Beauty

This new early potato was first introduced to the trade in 1903; it is one of the earliest varieties grown, globular in form, running uniform as to size, and has a peculiar pink marking which gives it a very handsome appearance. It is a sure cropper, fairly prolific, of good table quality, and exceptionally well adapted for market gardener's use on early land. It is not easily affected by disease, the stalks being very vigorous until maturity of the potato, when they die down quickly and complete to the ground. 1 lb., 25c; pk., 75c; ½ bu., \$1.25; bu., \$2.00.

Early Bovee

Notwithstanding this potato was introduced only a few years ago it has become very popular, and our supply has never been equal to the demand. It is of the Hebron type and one of the earliest varieties grown. The tubers are oblong, have pink skin of handsome appearance and of fine quality. It is a heavy producer; has a stocky, dwarf vine, the tubers growing compactly in the hill. 1 lb., 25c; pk., 75c; ½ bu., \$1.25; bu., \$2.00.

Early New Queen

A very popular early variety, closely resembling its parent the Beauty of Hebron, in fact it would require an expert to determine one from the other. Under high cultivation there are very few small ones; in quality it is most excellent, the flesh being pure white and of that sparkling, mealy texture and fine flavor so much desired in a table potato. 1 lb., 30c; pk., 75c; ½ bu., \$1.25; bu., \$2.00.

Early Astonisher

This new variety was introduced only a few years ago and has given excellent satisfaction both as to quality and yield since its introduction. It is creamy white, early, and a good yielder; it matures immediately after the Early Ohio, and is a very satisfactory potato. 1 lb., 30c; pk., 75c; ½ bu., \$1.25; bu., \$2.00.

Eureka

This extra early, round, white, good cooking and good keeper potato will undoubtedly be one of the standard sort. In our trial ground this year in competition with something like fifty varieties of potatoes this was near the top for both yield and quality, and should be planted by everyone. 1 lb., 30c; pk., 75c; ½ bu., \$1.25; bu., \$2.00.

Surprise

This medium early potato has given such good record in our trial grounds for the last several years that we are placing it on the market for the first time. It is medium early, nearly round, white and handsome. Vines are very vigorous, and the crop is among those of the highest yields in our trial grounds. 1 lb., 30c; pk., 75c; ½ bu., \$1.25; 1 bu., \$2.00.

Indian Corn as a Factor in Civilization

An Address Delivered Before the Iowa Bankers Association at Mason City, Iowa
June Sixteen, Nineteen Hundred and Eleven

by E. R. Gurney

Vice-Pres., The First National Bank, Fremont, Nebr. (Also Vice-Pres. Gurney Seed & Nursery Co.)

I want to talk to you, for a little while today, about the greatest grass in the world. And it takes some temerity to talk about the greatest anything in this great world, where language almost fails to describe the greatness of its products or the goodness of its God.

Nevertheless, there is always a greatest something, a product superlative. Somewhere is the largest man, somewhere the fattest woman. Somewhere is the biggest tree and the tallest liar and, when found, they are interesting enough to command our attention. And so I repeat that Indian corn is the greatest grass in the world; more, it is the greatest grain in the world; yes, more, it is the greatest plant of the entire vegetable kingdom, if we measure it by its influence upon man. And it is a child of America.

You will not blame me, therefore, if under the influence of this happy environment and the exhilaration incident to the approaching season of the nation's birthday, I was enthusiastic over a mere plant originating as a wild and nubbined grass of the Southland, grown great as has grown great the land of its adoption, the matchless prairies of the central West.

We do not absolutely know that corn is American born, but we have every reason to think so. In the earlier and darker years of 300 years ago a certain writer named de-Turkey wrote of it, and from this circumstance it became known in Europe as Turkey corn. From this certain students jumped to the conclusion that its earlier home was in Turkey, but this is erroneous. In the tombs, the ruins and excavations of southern and oriental Europe, in the Nile valley and in Asia are found grains of wheat, of barley and of oats, scarcely differing from such grains of today, but naught of corn. On the other hand, we find in our researches in Mexico, Central America and Peru, the remains of corn, and the best thought of today sustains Humboldt in his conclusions that Indian corn or maize is peculiarly an American product and, like many another thing American, it is placing its lasting impress on a world.

Death is a grim joker, for he takes us from earth some scores of years before we are ready to go, and some hundreds of years before we realize just what has happened to us or to our times. One Christopher Columbus thought he had done great things. He had, only the great things were very different from what he believed. He thought he had added territory to the kingdom of Spain—he really found a land that should be infinitely greater than Spain ever dreamed of being. He believed he had found a land where the aristocracy should disport itself at the expense of the proletariat. What really came about was a land of freemen, each of whom is greater than the kings of old. He supposed he had found the land of the golden sands. What he really found was a land of golden grains, and these golden grains in the year just past, aggregating over three billion bushels, were worth three and a half times as much as all the gold of all the earth mined in the same year.

I have said that corn is grass. I believe this true, and as evidence produce the blue joint, that splendid grass native to your Iowa prairies. Notice the fibrous root formation, even to the coarse roots known as brace roots; the jointed stems alike in both, the leaf growth projecting from these joints, the broad leaves and the sprangling, panicked top, the same formation and the same florets as the tassel of the maize. Take a vigorous blue stem plant, magnify it by glass or by the imagination and you have a cornstalk, the only difference being that it has no ear of golden grain. And this grain is an evolution. There is a very noticeable peculiarity about the evolutionary power of corn, as distinguished from all other grains. We trace wheat back to a period 2,700 years before the days of Christ, yet it has changed scarcely a particle. Oats and barley are the same in appearance and habit as they were when Joseph filled the granaries of the Nile against the years of need. But corn has gone on in development, from the little, 4-rowed gnarled nubbin, to the magnificent ear of the Iowa cornfield of today. All this, the working out of a law, potent alike in plants and men, expressed in the scriptural injunction that man shall not live unto himself alone.

Authorities assert that wheat first found its origin with the Chinese, and it seems to mirror some of the exclusion, the austerity, the unfathomableness of the Oriental. After forty centuries there are very few varieties and only experts can distinguish them. We have the Turkey red, the Fife, the blue stem, the bearded and beardless, but it is a curious fact that if you sow a mixture of five kinds of wheat and keep on sowing the resulting crop for seed for ten successive years, at the end of this time you will still have the five distinct varieties. The reason is explained by botanists. The wheat plant is seclusive. It wraps the drapery of its husks about the flowers, absorbing no outside influences, cross-fertilizing not at all, each plant living solitary and alone. It is a hermit recluse, a solitaire, reflecting upon the solemn grandeur of the past. Corn is the hopeful builder looking forward with anticipation to the promise of the future.

There is a curious law running all through this world which for want of a better name, we will call "the law of reciprocal gain." It is the law through which, in derision, it has been said that two Yankees, cast upon a desert isle, will swap themselves rich on jack knives. It is ridiculous, at first thought, for do we not know that when A and B trade one of the other of them is worsted? No, we do not know this, we only think we know it, but the premise is entirely untrue. Only when A and B do not trade, when they live solitary and alone do they lose, and they must be and remain poor, indeed. The law of reciprocal gain is quite opposed to the law of the survival of the fittest. They both are making for a better

world. This law is as anomalous as the beatitudes or the Savior's pronouncement that the first shall be last and the last first. It is the law of the helping hand, the law of the enkindling flame, lighting yet another fire without itself being consumed; the law of all commerce, all wealth creation, of all co-operation, of husband and wife. A good husband is a better man than any old bachelor ever can be. And everyone knows that a mother is better than an old maid, though some old maids are so divinely good that they look good to gods if not to men. This law of reciprocal gain is the law of love which gains through giving, and of sacrifice without which no human being can grow great.

The first corn bore its fruitage within its sprangling top or tassel, as now does broom corn or sorghum. A reversion to this type, even after centuries of selection and cultivation, is seen in the occasional abortive ear thrown out in the same place, but never a good ear. In such location the entire effort of the plant is selfish and solitary. But some time, through some fortuitous chance, the mother stalk put forth her embryo ear halfway down the stalk in the axil of the leaf, and from that moment a revolution was under way and in that eventful hour was born the possibilities of good roads and beautiful homes, of pianos and automobiles and big bank accounts. Being down the stalk beneath the flowers above, it received the pollen of the neighbor stalks wafted to it by the whimsical breezes that blew the dust as it settled down to earth. It was the law of reciprocal gain. No stalk or ear had lost, but one had gained.

Some vagrant hand seized that ear of corn because it was more comely than its fellows. It was likewise more powerful, since it had in it the commingled virtues of double parentage. And this vagrant hand planted the seed from this ear, prized it, tended its stalks, and met with their response.

At this point I digress to call your attention to the fact that Indian corn is the most human and man loving of plants. The dog, of all animals, is peculiarly attached to man, the robin among birds. A dog in the wilderness away from man is unthinkable—he would become a wolf—a robin would die in solitude. So it is with corn. For example, suppose you go out upon the primeval prairies and break a strip two feet wide and 100 feet long, and a half mile away break a similar strip. In the fall backset both strips, next spring, plant one to corn and sow the other to wheat. You are not to go near them until harvest time. This is what you will find; the wheat rank and fine and happy, the corn grown a couple of feet high and yellow and spindling, putting out a few half-hearted nubbins here and there. Wheat says, "Leave me alone, that is all I ask." Corn asks for the caress of man. The children may play about it, the hoe graze its roots, the plow must stir the soil. If fathers and mothers whisper their hopes and fears within its shadow, or young men and maidens plight their troth as they walk down the path on summer eves, it makes no difference, for is not corn a human plant, with almost human aspiration?

And this human-sided plant does more than to love man sentimentally—she does it practically, she makes him work. And be it known that work is to mankind the mother superior of all ministrants, the guardian angel of all the ages. Ease, more fair-faced, is yet more false. The microbe of evil finds ready lodgment in the soul of him whose hands find naught to do.

Wheat makes men work, but not continuously. Down in Oklahoma or Texas they prepare the ground and sow the crop in the fall and have nothing to do with the crop until next June or July. Up in Canada the long winters call for no great exertion and even harvest time is only an incident, since a special crew, cook, shack and all, take the grain from the shock and thresh it ready for the market. But corn, that marvelous plant that has come up from the Southland, makes men work without surcease of toil. In the springtime he must plow and harrow the plant. In summer he must cultivate again and again, really giving to each individual stalk his watchful care. In the autumn he must gather it in cribs, and then he finds his labor only begun, for having it he must feed it to get the best returns. Thus comes in the phase of big, red barns, splendid, powerful horses, or blooded cattle and of moneyed hogs. And this, not to mention tame grasses and clovers, those concomitants of corn farming, nor of dairy or poultry products, whose worth each year excels that of all the gold and silver mined in all the world in the same time.

I began this address in mood apologetic, feeling it presumptive to impose upon you bankers of Iowa, consideration of a subject so far removed from the routine of your business. I only consented to take up this unusual subject on the representation of your president that you have already had so many excellent presentations of the Aldrich plan over the state that I must give you my very worst, a chaser, so to speak, to take the taste of the other out of your mouths. I now find myself growing enthusiastic, emboldened in the belief that to you men of Iowa there is no other one element in your wellbeing one-half so potent as Indian corn. Subtract it, if you will, from your economics; it will be as though the foundation stones had crumbled into dust. Take it and its contingent products from your finances; it will leave you poor indeed. With it you have a multi-billionaire Iowa; without it you will have subverted the law of reciprocal gain and substituted a condition of reciprocal loss. That country which should cry to Heaven is not the land where men are rich, but the land where men are universally and hopelessly poor. And the one plant of all the earth most opposed to universal poverty is Indian corn. It is the very fulfiller of the law of reciprocal gain.

But the influence of corn does not stop with the big, red barns, nor the fields fenced with woven wire, nor the flocks of sheep and cattle; it knows no bounds short of the production of fine boys and girls, the men and women of the future. The boy who raises a crop of corn in contest with his neighbor has impressed upon him, first and foremost of all lessons, that his crop is good or poor in proportion to his care and attention in the selection of the seed, the preparation of the ground, and the cultivation of the crop.

In other words, work and effort count, and in all our lives there is no stimulant more virile than when work and effort bring results and no discouragement more depressing than when work and effort end in failure. What is there about raising cotton, that is inspiring? It is a nigger's job and consists principally in teeing off with a hoe during the growing

season and dragging a gunny sack through the field day after day and month after month picking the bolls as they ripen. It is not a thrilling intellectual proposition and it is not bettered in the fact that marketing comes once a year, at which time it takes all of the proceeds of the sale and a ninety-day renewal to square up the accumulated mortgages. But our corn farmer boy has a product which goes to market in one shape and another every month in the year and he must, therefore, know something about markets. He has live stock to care for and, having it, he learns the difference between good and poor; he tastes the joy of having something about the place good to look upon, something requiring skill to produce and thought to appreciate; and he becomes no longer a drudge or a menial, but a man of capacity and growth. Farming then becomes a vocation and its followers of moment. The profession has assumed a dignity to which, in the past, it did not aspire. And thus the corn farmer boy grows large in his grasp of real problems and we see why it is that the commercial world looks to the boys of the corn belt to recoup their forces. There are very few bank presidents or railroad managers in the east who have not come up out of the corn belt of the west, the most magnificent and resourceful section of the world. I would not be so wild as to ascribe all genius or all worth to corn. I do not say that all the conditions clustering about a corn-growing section; thought, effort, accomplishment, productiveness and power go to make up the ideal citizenship of an ideal land and give us, in our men, our mountain peaks of fame and our fertile lowlands of unnoted, but enduring worth.

I now come to my peroration, more happily known in modern vernacular as the place "where we get off at." Here, too, would I point a moral and adorn a tale. Here, to use the language more apt, get "my fodder in the shock." I have tried to show you that Indian corn is a very human plant; more than this, that it is an American plant and has made magnificent response to American advances of thought and culture. I now suggest to you men of Iowa, you guardians of five hundred millions of its wealth, that possibly your balance sheets fail to list one liability, the debt you owe to this plant, which is the bulwark of your solvency and the foundation of your prosperity.

It is recorded that in the long ago a servant said to his master, "Lord, I know thee for a hard master, reaping where thou hast not sown, gathering where thou has not strewn." Twenty centuries later a wave of populist petulance laid the same charge at the door of our banking fraternity. That charge I denied in toto then, with some mental reservations now. I do not question your worth, nor your service to the community, but I suspect that many of you whom I address accept as a divine right an adventitious prosperity where in all justice you are entitled to only so much of this world's advantages as your work commands. Only as you give a dollar's work for a dollar's pay; only as you respond to the culture of your fellow men and like the stalk of maize, present the ear of golden corn; only as you demonstrate the law of reciprocal gain are you really entitled to dividends of accomplishment and of content.

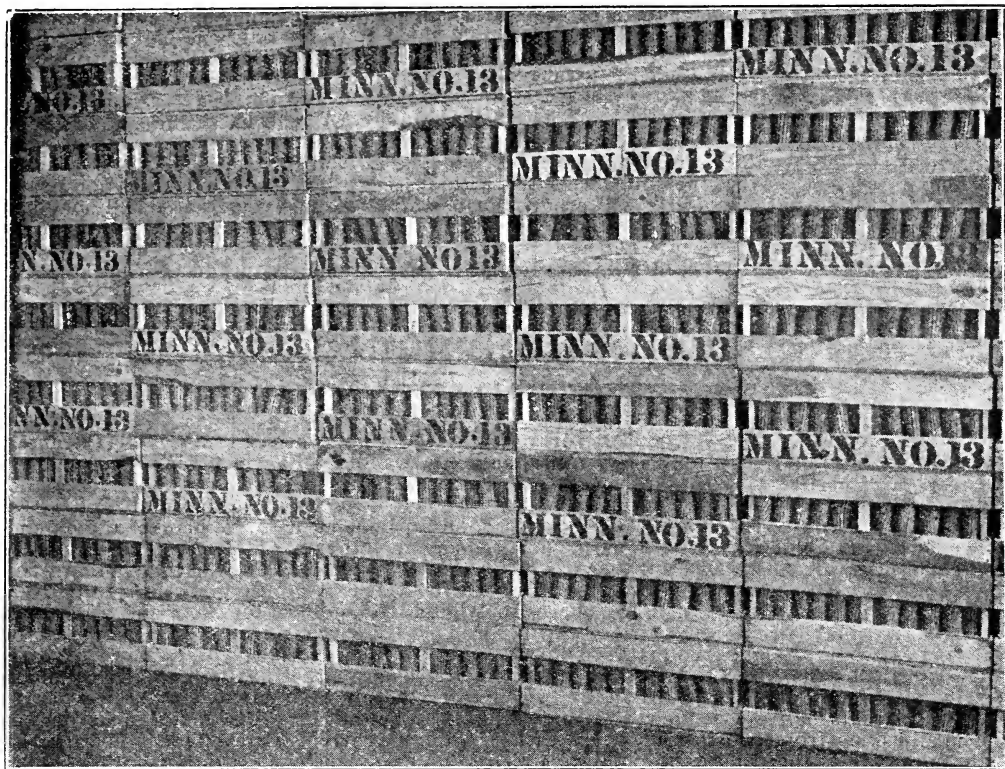
Now, then, there is no question at all of your responsibility as leaders of your communities. This is the peculiar phase of American banking, that the banker is indigenous to his locality, a part and parcel of the community. Therefore, I ask, "What about corn?" Do you know that the yield of the product per acre in Iowa ought to be doubled? Twenty years of united effort and education on the part of all interested will double the crop as sure as the sun rises.

The plant is right; it has demonstrated its ability to respond. The Almighty is right; He has given you every favorable condition of climate and soil. Constructive finance is right in affording you most excellent markets and means of transportation thereto. But are you right? Have you led in the movement for better corn? I would have you join the social purity movement, the fresh air movement, the back to nature movement, or the good road movement. You can have a river-to-river road for your automobiles if you wish. Any of these are good, but back of and greater than all in importance is the perfection of a plant which is at once the foundation and sub-structure of all your prosperity and in whose promotion you will find the preservation of the greatness and power, the constructive genius and capacity of the corn belt, the most magnificent section of the earth.

GURNEY'S HIGH GRADE EAR AND SHELLED SEED CORN

For a great many years we have been the leaders in ear seed corn in the Northwest, putting up each season thousands of one bushel crates of ear corn of each of the varieties which we catalog. Our trade has increased in ear seed corn more than 100 per cent each season since we started. This year we have increased our acreage greatly, our corn is all in and well taken care of, and the quality we believe is better than ever.

To give you some idea of the immensity of our seed corn business, we are showing a photograph of one building used for storing Minnesota No. 13 crated corn, which contains at this writing something over 8000 bushel crates of the Minnesota No. 13. This variety is one of the best sellers, but we have thousands of crates of Gurney's Model Dent which is one of the very best varieties for any section south of Huron, South Dakota, and Northwestern Dent which is good almost anywhere up to the Canadian line. North Dakota White Dent is the best seller in the Northwest, and produces the most corn per acre of any of the white varieties; it has been sold by us in central North Dakota for the last several years and has matured there when any Dent corn has and is a very satisfactory corn to grow all over that section of the country. For about this section and further south and east we use Wimple's Yellow Dent, Dakota Yellow Dent, Dakota White Dent, Wisconsin No. 7 and Reid's Yellow Dent; all of these varieties have matured under perfect conditions, and we are offering to our trade this year we believe the best lot of seed corn that has left any seed house in the United States.



Minnesota No. 13 Yellow Dent Ready for Shipment.

OUR GUARANTEE

In order that you may have a chance to know just what you are planting we send our corn on the following guarantee: We guarantee any seed corn purchased from us to test to the satisfaction of the purchaser; that is, on arrival of the corn, test it and if it does not test to your satisfaction, return it to us within fifteen days after you have received it and we will refund to you any money which you have remitted to us and any money which you have paid for transportation charges. If our corn was not good we could not make this guarantee.

OUR LOCATION

Did you ever stop to think the Gurney Seed & Nursery Company is located at the extreme north edge of the absolutely sure seed corn producing belt of the United States? For the last twenty years this particular section of South Dakota has never failed to produce plenty of good seed corn; while about one year out of two or three thirty or forty miles north of this point has failed to produce good seed corn but has produced plenty of good feeding corn.

WHERE OUR CORN IS GROWN FOR SEED PURPOSES

Our crop of seed corn for the season of 1914 consists of over four thousand acres grown on our own land or under contract for us in Yankton County, South Dakota; a small acreage of some of the later varieties are grown in Nebraska under contract; in northern Iowa we grow Wis. No. 7 and some other varieties in a small way; but practically all of the Wis. No. 7 which we shall use this year was grown in Yankton County, South Dakota. In Minnesota we grow Northwestern Dent and Minn. No. 13, and Flint varieties; these are also grown for us in various sections in South Dakota and when the crop matures sufficiently for seed purposes we also grow these varieties in North Dakota. All of the corn grown for us is brought to our main warehouse here in Yankton and dumped into the corn elevator and carried to the upper floor of the warehouse, where it is deposited on endless canvas aprons or conveyors alongside of which our seed corn experts stand and remove from the conveyors such ears as they wish to retain for seed purposes, allowing all of the refuse to go down an incline into outside cribs. After taking the seed ears from the conveyors they are placed in our neat bushel boxes that are known in every town in the Northwest, and are always a standing advertisement for the Gurney Seed & Nursery Company and their quality corn. After the corn is placed in these bushel boxes they are stored in well-ventilated warerooms that never freeze. This insures you strictly high grade seed for your planting. This means more to you, possibly, than you realize. If you can secure seed corn that will produce from 95% to 100% stand it

means practically the same percentage of crop. It costs no more, if as much, to cultivate a field in which you have a full stand than it does a field in which you have only one-half or one-third of a stand. Where the stand is thin the weeds grow much more rapidly and luxuriantly than in a field with a full stand where the shade is dense; consequently it is a less cost for cultivation. In this day of \$100 or better per acre land you can not afford to have a half stand in your corn field; you cannot afford to put hired men into a corn field where the stand is poor, because the man and your team is only earning the same percentage of his wages as your stand appears in the field. Possibly you have never looked at it in this way, but it is absolutely true. Supposing you have a field of 100 acres with just one-half stand, against your neighbor's 50 acres with a full stand. He will produce just as much corn as you do at exactly one-half the expense. Our seed corn may perhaps cost you a little more than seed corn saved in the ordinary way, but what is 50 cents per acre for seed? It only requires one bushel of corn additional per acre to pay the seed bill, and our seed will ordinarily produce from 5 to 25 bushels more than others.

WHO INTRODUCED AND ORIGINATED THE BEST VARIETIES OF EARLY CORN?

We are practically the introducers of most of the early varieties that will absolutely mature within the ninety-day limit in North and South Dakota. For instance, Minn. No. 13 offered by other parties can be traced back to the original stock from Gurney's. We do not claim to have originated Minn. No. 13, as it was originated by the Agricultural College of Minnesota, but we do claim to have had more to do in introducing it to the planter and extending the Corn Belt many hundreds of miles north than any other seed house. We originated and introduced Gurney's Model Dent that has given the very best results over the southern half of South Dakota, Southern Minnesota and Northern Iowa; it is a mighty good corn to tie to in these sections. Our August 15th is of our own origination and introduction and is safe to plant anywhere that corn of any variety can be grown. By purchasing the early varieties you can always get in on the old corn market with new corn. The latter part of October or early part of November the price for shelled corn in the terminal market is always high. By planting early varieties and husking your corn early you can get this high price, which is generally ten to fifteen cents better than new corn moves at. Another advantage is the fact that you can commence husking from two to four weeks earlier with the early varieties than you can with the late ones, and at that time there is always plenty of corn huskers waiting for the regular crop and you can get your fields out ahead of your neighbors at a lower price. We claim, and justly, that the early varieties of corn, such as Minn. No. 13, Gurney's Model Dent, U. S. No. 4 and August 15th have increased the land values of northern South Dakota, Iowa, Minnesota and North Dakota, millions of dollars. Previous to the introduction of these varieties, it was not considered profitable to grow corn, and land that will not produce corn, but small grain only, is soon worn out and of but little value. Any land in the corn belt that will produce from 40 to 50 bushels of corn per acre per season is worth \$100 per acre of any man's money. There is a tendency on the part of all corn growers to plant the largest and latest possible varieties that will mature in his neighborhood; by so doing they often overreach the limit and harvest a crop of soft corn which is of but little value for any purpose excepting for the making of alcohol, and possibly you do not care to assist in that business.

In this section of South Dakota the bulk of our farmers have decided from practical experience that Minnesota 13 and Model Dent will outyield any varieties of Corn that can be planted, and if planted by June 1 they can be assured of an excellent crop of ripe Corn by September 1. Both of these varieties are outyielding by actual weight the large, late varieties. This year Minnesota 13 and Model Dent could have been shelled and placed on the market by October 10th and would have graded three. The person who grows corn for market can realize what this means. If you can husk and market your corn in the first half of October, you can always receive old corn prices for it, which generally means from 10 to 20 cents per bushel more than corn is worth in November and December.

In the following descriptions we are telling you just what the corn does here with us, and we also tell you the kinds that you should plant if you want ripe corn. For instance, if you live in North Dakota and you want to grow Corn, not fodder, we tell you to plant Minnesota No. 13. Now, do not buy Silver Mine to plant there, because if you do you will be disappointed.

In buying seed corn, figure on one bushel for each seven acres you wish to plant.

Box Elder, Wyo., Feb. 24, 1913.

I bought some Early Rose potatoes from you last year, and people laughed at me and said they were not fitted for the country. I never saw such potatoes before. Will send to you again for seed potatoes. I shall plant quite a little nursery stock this year.

MINNIE M. FRANKS,

Lantry, S. D., Apr. 17, 1913.

Your letter of inquiry received a few days ago, and in reply will say that we sent our order in connection with that of our daughter, Myrtle E. Sanborn; we combined the orders and sent all in her name, so you see we have not forgotten you. We are well pleased with Gurney's seed.

MRS. MARY HARTSOUGH.

YOU KANSAS FELLOW SMILE

And others in the section where your corn crop was not a complete success this past year. There is no use in your looking blue just because you lost a corn crop once in your life; when the next good crop comes you will appreciate it much more than you ever did before, and you will sympathize with some of the fellows who have lost three or four crops in succession.

EARLY FEED WANTED

The first thing you fellows think of when you get up in the morning, what you think of all day and the last thing at night, is how to produce corn or other grain for feed purposes at the earliest possible moment so as to stop the purchase of these grains for your stock. Corn is your main crop, and the one that you are most interested in, and consequently you want to get the varieties that will yield the most, and produce matured seed the earliest. We will say for your information that corn from South Dakota into southern Nebraska, Kansas, Oklahoma, Missouri, southern Iowa, etc., will mature much quicker than the same varieties grown in your own locality. If you want something that will produce corn earlier than anything else, and earlier than any corn has ever produced for you before use the Flint varieties and August 15th, and Northwestern Dent. These varieties of Dent, August 15th, and Northwestern, do not yield over about 30 bushels per acre, while the Flints will make from 10 to 15 bushels more ordinarily. If you want something a little later, a little larger, use Minnesota No. 13, Gurney's Model Dent, Dakota White Dent, Dakota Yellow Dent, and Wimple's Yellow Dent; these are all early varieties, large ear, and heavy yielding corn. There is just one variety that we want to recommend to you folks, and that is Minn. No. 13; we want to give it a special recommend as it is exceptionally early and yields with the large southern varieties. It is not unusual for us in South Dakota to have as high as 70 bushels of Minnesota No. 13 to the acre; this is not guess work or anything of that kind, but actual measurement of the fields and weight of the corn. On all seed corn that we send out we guarantee the test to be satisfactory to you; that is, on arrival of the corn test it and if it is not satisfactory return it to us and your money, together with transportation charges, will be refunded. We have always given this guarantee and seldom have any corn returned to us on account of germination test; we are very careful in what we send out; we have the best facilities for testing of any seed house in the Northwest, and we crowd these facilities to their capacity, giving everything a good test such as it ordinarily would have when planted out in the open ground.

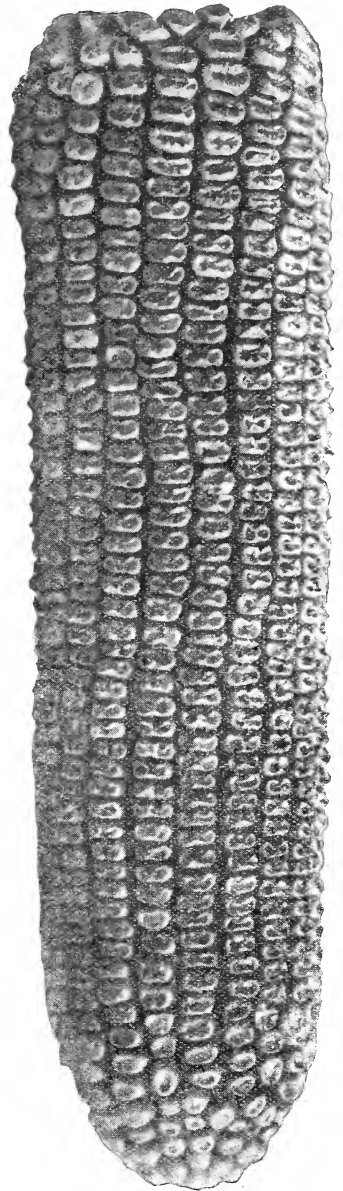
Previous to this catalog going to press, we have sold in Kansas alone for this coming spring's delivery over 25,000 bushels of seed corn. We have shipped corn into the territory named above for the last seven or eight years, and almost without an exception it has given bigger yields down there than the same varieties do here, and has satisfied our customers so well that they come back repeatedly.

Plant South Dakota Corn and Be Happy

Minnesota Number 13 Yellow Dent—This Corn was originated by the Minnesota Agricultural College, near Minneapolis, Minn., and is recommended by them and by the South Dakota College at Brookings as the very best Corn for the extreme north.

Our planting of two thousand acres was made from May 15th to June 5th, and on September 1st was thoroughly matured and a frost would not have damaged it. Our husking, grading and storing of this variety was completed November 15th.

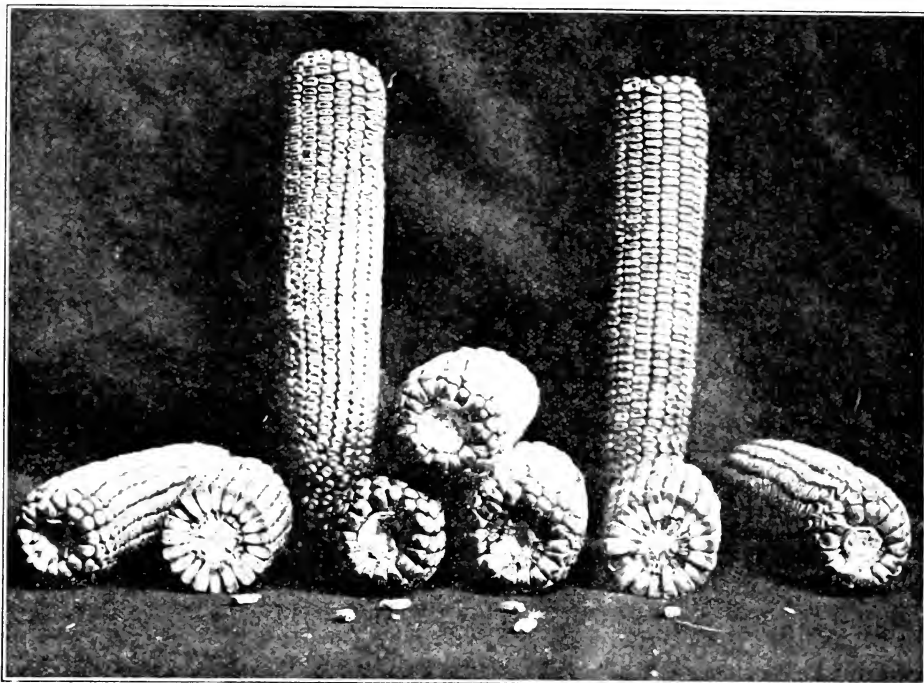
We have fields that gave us 70 bushels per acre this season. Other large and later varieties planted in the same neighborhood, given apparently the same care, yielded only about 24 to 40 bushels.



An Ear of Minnesota No. 13
From Our Own Field.

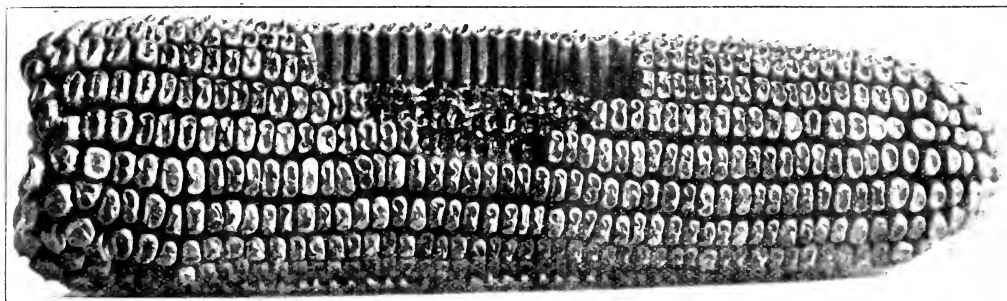
Price per crate of 70 lbs., or more of select ears, \$2.50.

Shelled and graded, per bu., \$2.50.



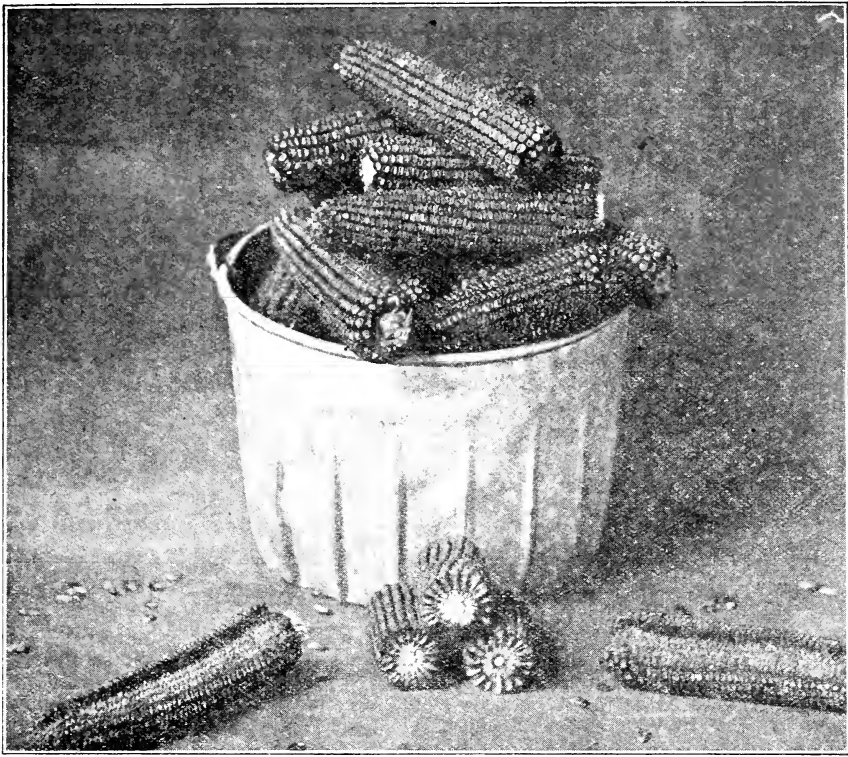
Wimple's Yellow Dent—The Seed from which this Corn was grown was purchased by us direct from the originator and is absolutely pure Wimple's Yellow Dent. Some seedsmen are claiming they have the entire stock, but it is not correct. Mr. Wimple sold this Corn for a number of years until it is generally planted over the southern part of South Dakota. In purchasing your Wimple's Yellow Dent direct from us, you have the advantage of five additional years of very close breeding. This Corn should be planted largely in southern South Dakota, Iowa, Nebraska, Missouri and Arkansas. There are no other yellow dent corns that can produce with it that can be grown in these localities. The kernels are exceptionally large and deep.

Per crate of 70 lbs. or more, select ears, \$2.25. Shelled and graded, per bu., \$2.25.



U. S. No. 4

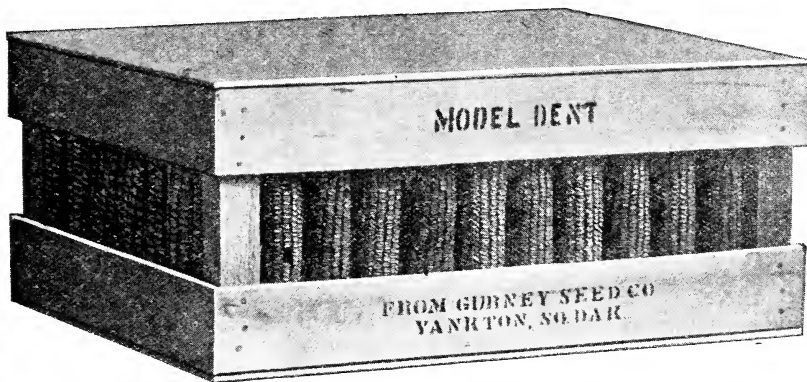
U. S. No. 4—This new corn originated in southern Minnesota, and the originator claims this name was given it by the U. S. Department of Agriculture. We do not vouch for this, but whoever named it named a mighty good corn. The size of the ear is nearly equal to that of Minn. No. 13, the corn is about one week to ten days earlier, very deep grained and a beautiful yellow color. The ears are generally well filled both butt and tip and shell out a very large percentage of corn to the measured bushel. We find that 70 lbs. of ears of this corn will often shell from 58 to 59 lbs. of shelled corn. We purchased from the originator, his entire stock of this seed two years ago and planted something over 200 acres this past season. It has out-yielded all other early varieties of its class and matured just as we had expected, in fact, knew it would, as we had visited the fields of the originator in other years and were much pleased with the corn in his field. We believe this corn to be a cross between the Minn. No. 13 and **Pride of the North**. It has the characteristics of both and on account of its extreme earliness, depth of kernel, and general all around good character it is bound to take the place of most varieties of early corn in the extreme north. We can furnish this either shelled and graded or in the ear as you prefer. Price, \$3.00 per bu.



Gurney's Hybrid Model Dent

This variety of Red Corn originated and introduced by us has become one of the best known in the State of South Dakota and is producing wonderful crops each season. Has never failed to mature perfectly as far north as Huron, S. D., and is safe to plant anywhere as far north as Aberdeen. There is no other variety of Corn that will yield with it and mature so early. If you are located anywhere south of Aberdeen, S. D., or Willmar, Minn., and can plant by May 20th, plant this Corn for General Crop. The past season we sold large quantities to Nebraska and Iowa farmers and we have received wonderful reports from them. It matures

perfectly and is producing 10% to 25% over later and larger varieties, and none of the planters had to worry about the early frosts. Price per crate of 70 lbs. or over of selected ears, \$2.50 per bu.; shelled, graded and kiln dried, per bu., \$2.50.



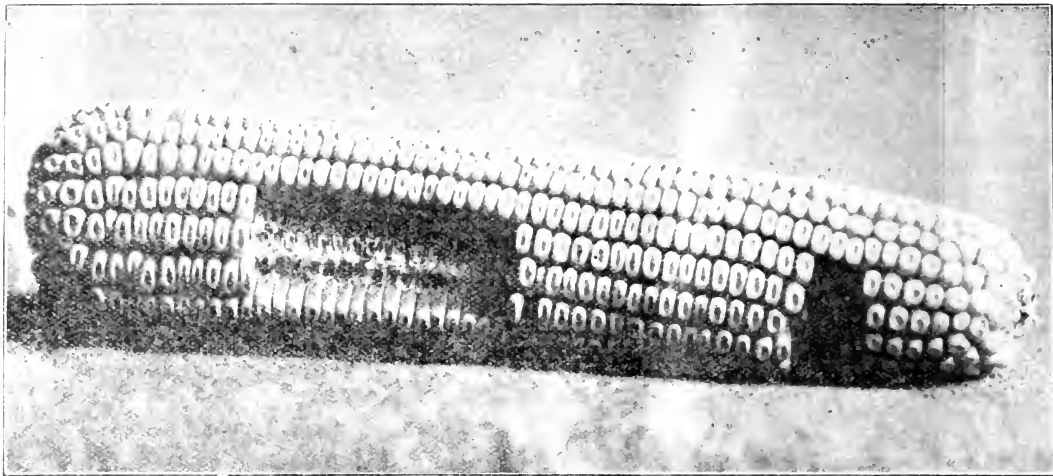
Trudos Gingham, Old Fashioned Blue and White Dent

This is not a Flint corn, but a regular soft dent, early, large, matures in ninety days, and one of the greatest corns for silo purposes you can get. Probably the largest grower of corn in Yankton County uses more acres of the Blue and White for silo purposes than any other kind, and the reason he does it, it makes a greater tonnage, a larger number and larger ears than anything else he can plant. It matures early enough so that he can commence filling the silo at the right time, long before frost, and the stalks and leaves stay green after the corn is thoroughly dented.

We consider this one of the very best for silo purposes; it is strictly a 90-day corn; yield this season as high as 65 bushels per acre. We can furnish this either ear, crated, or shelled and graded as you prefer. Price, \$2.10 per bu.

Dakota White Dent—About ten days later than Minnesota No. 13. Yields with us about 65 bushels per acre. Will be safe to plant in any ordinary season as far north as Madison,

S. D. Ears from 8 to 10 inches; very deep kernel; white cob; stalks from 7 to 9 feet high, makes lots of fodder. If you live north of the south line of South Dakota and south of Madison, S. D., plant this; you will be pleased with it. Price per bu. either ear or shelled and graded, \$2.00.

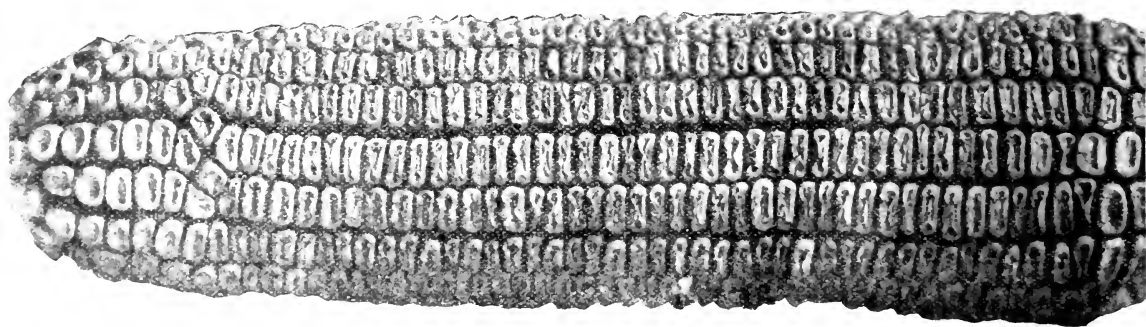


North Dakota White Dent Corn

This extremely early White Dent Corn has been thoroughly tried out in the extreme north and has made good, maturing season of 1907 in Cass County, Minnesota, nearly 200 miles north of the Twin Cities.

In size, like Minnesota No. 13, Yellow Dent, and, like the No. 13, stands up well even in the extreme North. Stalks grow to a height of 7 feet, ears are up 3 feet from the ground, making it easily harvested with the Corn Binder.

This Corn will outyield any other variety of Dent Corn that can be grown in the extreme North. It has been bred for yield and earliness, and will withstand more extremes of weather than any other Corn grown. Might not be an ideal Corn for some of Iowa and Illinois farmers, who are used to the foot-long varieties, but North Dakota White Dent is a silver mine to the North Dakota, Minnesota and Northern South Dakota farmer who has wanted to grow Dent Corn but could not on account of length of season. Do not get the idea that this is a 10 to 20 bushel to the acre Corn and so low down that you cannot find it at husking time. It stands up well, 7 feet, and yields, with reasonably good farming, 50 bushels to the acre. Shelled and graded or ears, crated, \$2.50 per bu.



Reid's Yellow Dent. Shown at Boys' Corn Contest, Yankton Co., S. D., Fall 1910.
Seed furnished by us.

Dakota Grown Reid's Yellow Dent

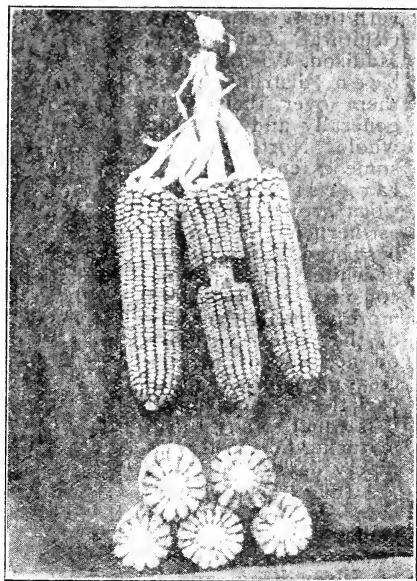
For the last six years we have grown and selected a Reid's Yellow Dent that would be satisfactory to the planter in the southern tier of counties in South Dakota, northern Nebraska and northern Iowa as well as those farther south. Reid's Yellow Dent is the ideal Corn where it can be safely grown. It is too late for any place north of the north line of Iowa and our strain of Reid's is the earliest grown, so do not buy this variety and expect a crop to mature north of the north line of Iowa. Our crop of this variety this season shows an improvement over other years both in yield, size and earliness and well shaped ears. The corn we are furnishing for seed purposes is certainly beautiful Corn. Our original stock was secured from the Ames Iowa Agricultural College, and from the first planting of ten ears we secured 57 bushels by actual weight. This season of 1913 we commenced planting Reid's on May 10th and we have a most perfect crop of well matured corn. The ears are very large, bright yellow in color, deep kernalled and well kernalled over butt and tip. You corn planters in Iowa, Illinois and Nebraska, who are growing Reid's Yellow Dent think what it means to you to secure an earlier

strain of this valuable Corn from the extreme northern limit of its production. If it fails to test the seed may be returned and your money with freight paid refunded. Price per crate of 70 lbs., net select ears, \$2.25.

Dakota Yellow Dent—The description of Dakota White Dent fits this Corn exactly, except this is yellow, with red cob. Don't fail to order some of this if you are located in its territory. It is the yellow Corn for that section. Price, per bu., ear or shelled and graded, \$2.00.

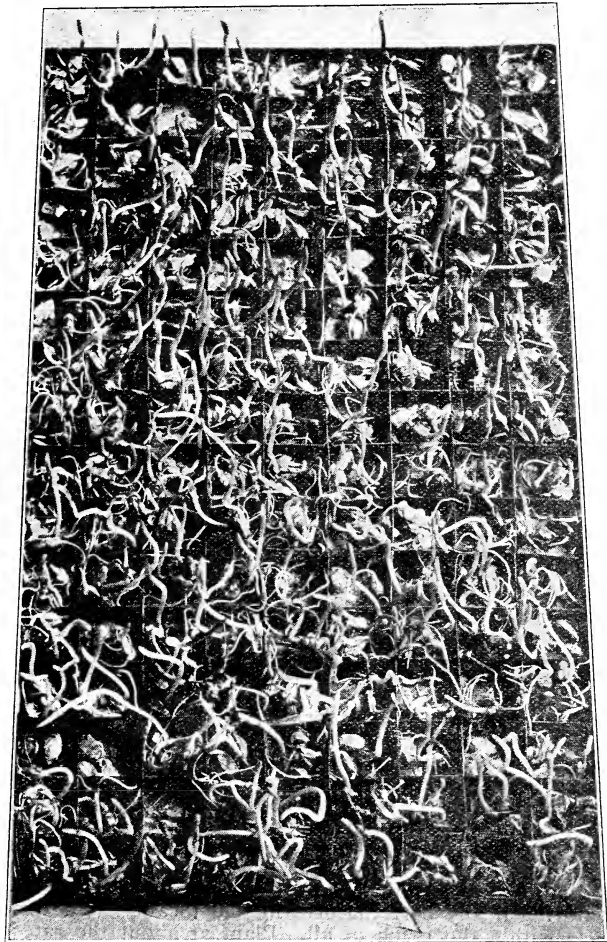
Pride of the North—A very desirable first early Dent Corn suitable for main crop as far north as St. Paul. Color deep yellow; grains very deep, with very small bright red cob. Rows generally 18; grain rather narrow and inclined to be rough on top. It is generally 7 to 8 inches long, but as it almost always makes two ears to the stalk, it makes a good yield. It is very hardy and will stand cold weather and poor land almost like Flint Corn. If you have to replant even as late as the last of June in this latitude, this will make you a good, sound crop of nice, bright yellow Corn. Price per crate of 70 lbs. or over of select ears, \$3.00.

Northwestern Dent—The earliest Dent Corn grown. Planted June 6th and husked September 1st. Our Seed of this variety was secured in the spring of 1908 in central North Dakota, and matured thoroughly in nearly all North Dakota points in the poor season of 1907. Grows to a height of about 5 or 6 feet, produces a large number of ears to every stalk or hill, and will mature in the shortest season of any Dent or Flint Corn grown. Yield with us on good soil and good care 43 bushels per acre. All the Seed offered by us this season of this variety is of our own growing and we guarantee a 95 per cent. test. We furnish this variety shelled. Shelled Corn, graded and sacked, per bu., \$3.00.



EAR TESTED EAR SEED CORN

We are devoting a little more space to Ear Tested Ear Seed Corn this season than we had expected to. We find from past experience that the careful farmer, the one who wants to reap the greatest profit possible from an acre of ground, is ready and anxious to pay a little additional price for ear seed corn that has been thoroughly tested than to plant the ordinary kind at any price. We have the facilities for testing a very large quantity of ear seed corn and shall run our testers to their capacity. We do not expect to be able to supply the demand. We never have been. In testing this ear seed corn we take three kernels from each ear. If all three kernels show strong germination it goes into the ear tested ear seed corn which will make you 100% stand. If any one of the kernels fail to show strong germination it is thrown out. There is lots of labor connected with testing corn, as all of you know who have attempted it; in fact, the labor is fully worth \$2.50 per bu. even with the best and most modern facilities for handling it. This makes ear tested ear seed corn cost you about 60c per acre. If you can increase your yield $1\frac{1}{2}$ bu. per acre by using this corn you have more than paid for the seed. If you can increase your yield more than $1\frac{1}{2}$ bu. per acre you have made a profit over the use of any other seed. The increased yields per acre from using ear tested seed corn is more often from 5 to 20 bu. per acre. Price of this ear seed corn, crated, \$5.00 per bu.



Testing 144 Ears, Enough for 10 Acres

Wisconsin No. 7 or Iowa Silver King

Wisconsin No. 7, or Iowa Silver King—This extremely new valuable white Corn originated with the Wisconsin Agricultural College at Madison, Wis., and has been distributed by them over their state generally and over the whole Northwest to some extent. It is the largest early white Corn grown, the deepestkerneled, in fact the best bred of any variety of white Corn. In Wisconsin it is considered more valuable than any of the yellow varieties on account of the increased yield over those varieties. In earliness it is equal to any Corn, maturing perfectly in ninety days.

It has been recommended by the Ames College for Northern Iowa under the name of **Silver King**, and is certainly king of the white Corn.

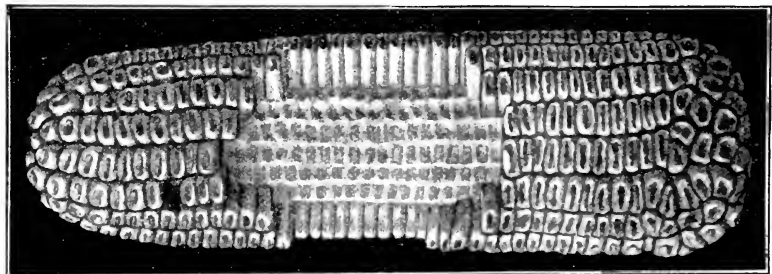
This should be planted any place north of Sioux City or Dubuque, Iowa, to the extreme northern limits of corn planting. Height of stalks generally about 7 to 8 feet in this latitude. Ears up about $2\frac{1}{2}$ feet from the ground. Ears very uniform in size and shape. An exceptionally pretty



white Corn. Per crate of 70 lbs. net, select ears, \$2.75.

Gurney's August 15th

In 1910 we first catalogued Gurney's August 15th corn; we only had a very small quantity of it and listed it at pounds only. This was tried from southern Nebraska into Canada and it gave a very flattering result wherever tried. In southern Nebraska they reported corn thoroughly ripe sixty days from time of planting; in North Dakota about 65 days, and as it yields much heavier than most varieties of early corn it is going to be one of the main crop varieties all over the northwest. Comparing it with Northwestern Dent for yields, year after year here at our own place, it gives us about 30% more corn per acre. It is a better corn for market purposes, as when shelled it has the appearance of yellow corn, and when on the cob almost a white variety, or rather a White Cap Yellow Dent. Do not confuse this with the other White Cap Yellow which we offer, as there are several weeks difference in the maturing season. We earnestly urge every person who wants the earliest possible dent corn to plant August 15th. The people who want it for general crop purposes are those living north of the south line of South Dakota; you can plant it in North Dakota or Canada and be sure of its maturing if any corn matures in that locality. The price at which we are offering it this season is within the reach of all. Plant at about the rate of seven acres to the bushel. Per lb., postpaid, 30c; peck, \$1.00; bu., \$3.50.





White Cap Yellow Dent

This is one of the old standard varieties of very early corn and has given very satisfactory results over the country for a good many years. We have never catalogued or grown the corn previous to this past season. We find it very satisfactory, making good yield, medium sized ears, colors almost white when in the ear. A load of the shelled corn is a light yellow as the kernel with the exception of the cap is yellow. This corn should be safe to plant in any ordinary season as far north as Aberdeen, S. D. We can furnish this in either shelled or ear corn. Price, \$3.00 per bu.

Iowa Silver King, Ames, Iowa, Strain

For the last several years the Ames, Iowa, College has been experimenting with a new strain of the Wisconsin No. 7 or Iowa Silver King, and has been planting it in the northern tier of counties in Iowa and has been producing some wonderful yields of a wonderful corn. This strain is undoubtedly better than any other offered; in fact, we believed it was and purchased a quantity of the seed last spring at a very high price per bushel, and this season had one 80-acre field of it that has outyielded any other variety of corn grown by us, is deeper grained than any other variety of white corn, is as early as Minnesota No. 13, and an ideal corn for any section of the United States. We are listing this separate from the Wisconsin No. 7 of the Wisconsin strain, as we believe it to be better for the state of Iowa from the north line south, than the Wisconsin strain is. We can furnish this either ear or shelled. Per bu., \$3.00.

GURNEY'S RAINBOW FLINT

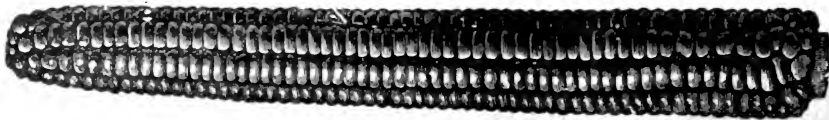
This is absolutely a new corn which we are offering to the public for the first time. It, we believe, is the most productive of any flint corn grown; very early, and produces ears of immense length and size, generally ten to fourteen rows instead of eight as the ordinary flint, and the photograph which we show on this page is of two ears fifteen inches long. This corn is called Rainbow Flint on account of its color; it seems to contain practically all of the colors, red, white, blue, yellow, and a mixture of all of these colors.

Having in mind a cash exhibit of products of Gurney's seed this coming year we are going to offer a cash premium of \$10.00 for the longest good ear of this corn received by us on or before the 15th day of November, 1914. When you are husking this Rainbow Flint, select the longest good ear. We mean by this an ear that is reasonably wellkerneled up to the ends, and of the largest size around. The person sending us the ear that conforms nearest to this will receive our check for \$10.00 on the 15th day of November, 1914. In order to thoroughly introduce the Rainbow Flint Corn, we are going to put a small package of Rainbow Flint in with each vegetable seed order free of charge, so there is no reason why you should not compete for the \$10.000 premium.

We do not advise you to stop on the Rainbow Flint with the small package which we are going to send you, but you should purchase enough to plant a larger field, as you will find it a very excellent variety, we believe equal to or better than any other variety of Flint now cultivated. 1 lb., postpaid, 30c; 10 lbs. (enough for one acre), \$2.00; 25 lbs., \$4.00.

Blue Flint

This is the same variety known as Squaw corn excepting that it has been bred true to one color. The regular Squaw corn is the Blue and White Flint, which we list, but this strain of clear blue is a selection of the Squaw corn until we have bred it to a straight color, and find that it has not varied as to yield, earliness and value from the old Squaw corn. We advise growing large fields of the Flint corn, where you are short of feed or want something real early. As soon as the Flint corn commences to glaze turn your hogs into the fields and let them hog it down; they will take care of every bit of it, waste none, and it saves you the job of husking and puts your ground in better shape. This Blue Flint grows on a little taller stalk than most of the Flint varieties, yields wonderful crops; this season we have husked as high as twelve ears from a single hill, none of them small, some of them measuring as long as twelve inches. Per bu., shelled, \$2.50.

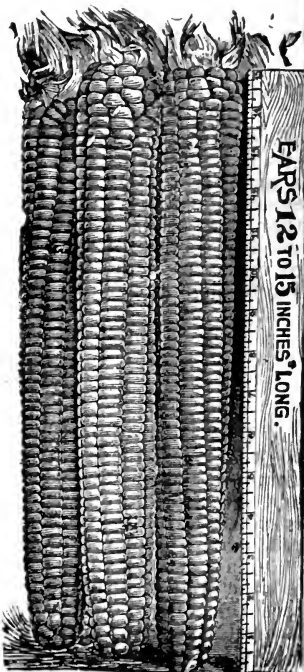


Squaw Corn, Blue and White Flint

This is the old fashioned Flint corn that is known by every one the country over as Squaw corn. It yields an immense ear and an exceptionally large number of them; this is the first year we have catalogued it, although there has been an immense demand for it other seasons. We wish to expressly recommend this to our southern Nebraska, Kansas, Missouri and Oklahoma farmers who failed to produce a crop of corn this last year, and who are just as anxious to secure the earliest possible feed for their stock as we are to have them secure it. Plant an acreage of this corn, and you will be feeding new corn before you know it. In planting Flint corn figure about one bushel of seed to each six acres; it stands planting a little thicker than other varieties, and is really one of the most valuable corns to grow, especially in a season when you want early feed. It is also very valuable for the extreme north where you can not grow some of the Dent varieties. Per bu., \$2.50.

Minnesota King Corn

We regard this corn, in some respects, as the most valuable early corn ever sent out. There are varieties that under favorable circumstances will yield as much, but year in and year out, through fat years and lean years, there is, we believe, no sort that will do as well. It seems to possess a faculty of growing right along and making a crop during weather and under conditions that would ruin other varieties. We do not know of any good reason why this should be so, unless it be that it roots more deeply; but not only is this our experience, the universal expression being that for ability to endure extremes of heat and cold, flood and drought it has no equal. In appearance the Minnesota King is remarkably distinct, being a half yellow dent; the kernels are very broad and of an extremely rich, golden color. Average height of stalk, 7 feet; average distance base of ears from ground, 3 feet. The ear is of good size, eight rowed, cob small. Lb., 20c; 3 lbs., 50c., postpaid; by express or freight, shelled, per $\frac{1}{2}$ bu., \$1.50; bu., \$2.75.



Smut Nose Flint

This corn is identical with Longfellow Flint excepting that it has a reddish tinge to the kernels at the tip of the ear, sometimes running down as much as half way on the ear. In fields of this planted along side of Longfellow Flint this year it outyielded the Longfellow on an average about 10 per cent. For that reason we urge its planting over the Longfellow. It is exactly the same season. Shelled, per bu., \$2.50.

Gehu Flint

I do not blame the man who originated this corn for calling it Gehu, for gee! it is early. Our stock of this corn was planted on the 15th of June and a good share of it was cribbed in September, so you see that it is early. The ears are about six to seven inches long, and we believe that you can plant and harvest this corn in not to exceed 65 to 70 days. It is an excellent corn for early feed, or hogging off, or for the extreme northern part of Minnesota, North Dakota and into Canada. In fact, we grow large quantities of this for Canadian planter. Per bu., \$4.00.

King Philip Red Flint Corn

The heaviest yielding of all varieties of Flint Corn. Not unusual to see three to five good long ears from a single seed. Not as early as Longfellow Flint, but early enough for all corn growing sections. Seed offered by us is of our own growing and gave us a yield this season of over 60 bushels per acre. The immense leaf yield makes it best for fodder. Per bu. shelled, \$3.00.

Dakota White Flint

This is the White Flint used for Hominy and Hull Corn. For table quality, flavor and sweetness it is the best variety of Indian Corn. Its ample foliage makes it desirable for ensilage fodder. Per bu., shelled, \$3.00.

Longfellow Flint

A beautiful eight-rowed Yellow Flint; ears from ten to fifteen inches long. Very prolific and early. Shelled, \$3.00 per bushel.

Fodder Corn

Sweet Fodder—There is nothing better for summer and fall green feed or for curing for winter than Sweet Corn. Being sweet and palatable, cattle eat every part of the stalks and leaves. Always a great favorite with dairy farmers, and excellent for soiling. Can be planted either Corn or sown thickly in drills or broadcast. Sow $\frac{1}{2}$ bushel per acre in drills, 1 to $1\frac{1}{2}$ bushels broadcast. Pk., 50c; bu., \$1.50; 5 bu., \$7.00.

Red Cob Ensilage Corn—Among all the varieties of Ensilage Corn this one gives the greatest product of green forage per acre, amounting on rich land and proper cultivation to as much as 75 tons. The fodder is sweet, tender and juicy, growing to a height of 10 to 14 feet. It is easier for the average farmer, and the first cost is less, to sow the ordinary field corn for ensilage purposes, but the thoughtful farmer will consider quantity and quality of the product as of first importance, and will not withhold a small outlay for the best Seed. An increased yield of several tons to the acre and an improvement in quality of 20 per cent, as will surely follow the planting of this variety, will certainly warrant an extra outlay of \$1.00 per acre for Seed. Pk., 10c; pk., 40c; bu., \$1.00.

PEDIGREED STOCK OF SEED GRAIN

We have a great many letters during the season from planters of seed grains, asking for reduction in the prices at which the goods are quoted. We think a word of explanation here would show the reasonableness of the charge which we make for these grains. There is a much larger cost attached to the production of these better grades of grain than to the grain grown in the ordinary way. In the cleaning there is a great shrinkage, as we take out all of the small grains and light ones, and give you none but the very best grade of grains. We do not believe that you can object to the price we charge for this extra fancy stock. There is but little profit to us in seed grain at the prices at which we catalog them.

IMPROVED SPRING WHEAT

New Spring Wheat, Minnesota No. 163 Fife—For twelve years Prof. Hays, of the Minnesota Experiment Station, has been engaged in the scientific breeding of Wheat, the object being to secure a perfectly healthy variety that would give an increased yield. Of the many crosses obtained within the past twelve years, the one sent out by the Station as Minnesota No. 163 takes high rank. At the station farm this variety during the past six years has averaged two to five bushels per acre more than the best Fife and Blue Stem varieties, as is shown by the following table:

| | Average for 6 years. |
|------------------------|----------------------|
| Hayne's Blue Stem..... | 24.4 |
| Powers' Fife..... | 25.2 |
| Minnesota No. 163..... | 29.2 |

This tells a story which should interest every intelligent grower of Spring Wheat. By freight or express, at purchaser's expense, pk., 65c; bu., \$1.80; 2 bu., \$3.35; 10 bu., \$16.00. Bags free.

MINNESOTA No. 169 BLUE STEM SPRING WHEAT

In 1902 the Minnesota Experimental Station distributed this new Blue Stem wheat. It is an improved Blue Stem, and for a period of eight years at the Minnesota Station it averaged 18 per cent more in yield than any other variety of Blue Stem. In quality and milling value it is equal to any of the wheats on the market, and if you want to increase your yields of Blue Stem wheat and get strictly first grade grain you should plant this variety only. 1 lb., 20c; 10 bs., 50c; 30 lbs., \$1.00; 1 bu., \$1.75; 10 bu., \$16.00.

Velvet Chaff—This new Wheat has created more discussion than anything in the bread-making line for a great many years, outside of possibly the new fake Alaska Wheat.

The Velvet Chaff will outyield any other variety of Spring Wheat, with the possible exception of Durum, and as the two Wheats are entirely different they need not conflict.

When this Wheat was first placed on the market the millers evidently saw a chance to buy a good Wheat cheap, and they jumped onto it; but in the first round the millers came out ahead and got out a circular giving the flour and breadmaking tests, which show it to be not a valuable breadmaking wheat, and consequently would have to be sold at a much lower price than other varieties of Spring Wheat. In the second round the farmers came out ahead in several ways. First, it will yield from 25 to 50 per cent more of a better grade of wheat than any variety of Spring Wheat; secondly, the millers were unable to keep the price very much below the Spring Wheat. November 11, 1911, Velvet Chaff Wheat sold for \$1.03 in Minneapolis, while No. 1 Northern sold for \$1.06.

Figuring the undoubted difference in yield, which at a low estimate can be placed at 30 per cent, you will see the planters of Velvet Chaff have come out big winners in the second round, and it is going to be the leading wheat for all sections where Spring Wheat for the last few years has not been a paying crop.

Our Seed of this variety is extra well cleaned and from the best yielding fields. Price per bu., \$1.55; 10 bu., \$14.50. Bags free.

MACARONI OR DURUM WHEAT

Durum Wheat sold in Minneapolis on December 3rd at 82 cents; against 83%, the highest price obtained on the same day for No. 1 Hard. Think of the difference in the profits even at this slight reduction in price, as the Durum will outyield any other variety of wheat in the Northwest; stands the drouth, delay in harvest and gives you an increased yield. In the field this wheat grows very strong and with surprising rapidity, so rapidly as to get well ahead of the weeds. It does not shell or bleach; and is also hail-proof to a certain extent, owing to the tightness of the hull. The straw is very strong; it is a little harder to thresh than ordinary spring wheat but can be threshed for less money because threshers can earn so much more per day. Price per bu., \$1.50.

MARQUIS WHEAT

The

World's Championship Wheat

Extremely Early

Wonderful Yielder

The Millers Like It



This wonderful new variety was originated by Dr. Saunders of the Central Experimental Farm, Ottawa, by breeding Red Fife on a very early wheat, grown in India. You have noticed in the Government Experimental Farm reports during the last four or five years how much earlier than other wheats Marquis has proved itself—and you know what earliness means in this country. You have seen Marquis top the list in these trials for

"Marquis has usually outyielded Red Fife by from 10 to 70 per cent, according to the varying conditions of the test, due to its greater earliness, stiffness of straw and ability to resist disease. The kernels are hard and exceptionally plump and of a splendid rich color. The flour from this wheat is practically indistinguishable from Red Fife flour. The highest recorded yields of Marquis have been obtained at Indian Head, where in 1910 a field of five acres gave more than 53 bushels per acre, and in 1912 a fortieth acre plot yielded at the rate of 81½ bushels per acre. No wonder the Marquis has defeated the world in the two greatest wheat contests held since its introduction—at New York, in 1911, and at Lethbridge, in 1912."—J. H. Grisdale, B. Agr., Director Dominion Experimental Farms.

yield. You have examined prize-winning samples at the seed fairs, and no doubt know how Marquis swept the board in the Field Crop Competitions in the different Provinces; you must have been struck by its outstanding quality in Government Milling and Baking Tests, while the importance of the high favor in which Marquis is held by the large milling companies (who have to be "shown") must have impressed you as significant, and I know that you, like every other Canadian, were real proud when last year it won the \$1,000 prize at the New York Land Show against the whole world, and again landed the World's Championship at the Dry Farming Congress held at Lethbridge, Alta., Oct. 10 to 26, 1912.

World's Wheat Growing Record

Moose Jaw, Sask., Dec. 2.—On his farm on the south half of Section 34-49-54 west 3rd, H. J. Clark threshed an average of 76 bushels of Marquis Wheat from an eleven-acre field. This is believed to be a world's record for wheat grown for commercial purposes.—Extract from Free Press, Winnipeg.

Marquis Wheat, the \$1,000 Prize Winner

The wheat which we are offering this year was grown in North Dakota and on account of the immense yields made by it the last two seasons, and the extensive demand, the supply being limited we would advise that you purchase your Marquis Wheat early. Per lb., 20c; ¼ bu., 80c; 1 bu., \$2.75; 2 bu., \$5.00; 10 bu., \$22.00.

BUCKWHEAT

Buckwheat should be sown about the middle of June, broadcast, at the rate of from one to three pecks per acre.

Silver Hulled—A greatly improved variety. It is in bloom longer, matures its crop sooner, and yields twice as much as the ordinary sort. In a great many sections of the United States, Buckwheat is not a paying crop, if you figure on using it as you would other grains like Wheat and Oats. There is no crop that will yield a greater amount of food for fowls than Buckwheat. We know of one case where one quarter-acre field furnished seed for over 300 chickens for three months. They were allowed to harvest the crop themselves. Pk., 50c; bu., \$1.50; 5 bu., \$7.00.

KHERSON OATS

The 1912 crop of Oats in the Northwest of nearly all varieties made only a medium yield. There was one variety that was generally tried last season in small quantities that made larger yields and weighed better than any others. This refers to the Kherson Oat, and we believe it to be the very best for the Northwest. This Oat is undoubtedly identical with the yellow Oat known as Sixty Day Oat. There were two importations from Russia; one has come out under the name of Sixty Day and the other as Kherson. There seems to be absolutely no difference between the two wherever grown. They both outyield all others.

This new, valuable early Oat was secured by Prof. Taylor, Superintendent of the Farmers' Institute of Nebraska, while making a journey through Russia for the United States to secure seed of certain grains.

Our Seed from this variety is secured from Seed of the original Taylor importation, and is absolutely pure Kherson Oats. It is a smaller Oat than most and takes at least one peck less per acre for sowing. This Oat should be largely planted, as the difference of 10 to 15 days in earliness of maturity will escape the rust period; save that much risk of winds, hail and bugs. It also lengthens the harvest season, allowing you to get along with less high-priced help. Price, 1 bu., 90c; 10 bu. or over, 85c per bu.

It will cost you but a moment's time to inspect our prices on Nursery Stock—to deal with canvassing agents may be an expensive process.

Regenerated Swedish Select Oats

The past season the new Regenerated Swedish Select Oats have made some wonderful yields in the Northwest. They are certainly taking the lead at the present time and it is probable they will continue to do so. It is not unusual to see fields growing 100 bu. per acre and weighing as high as 45 lbs. per measured bushel. Our stock of this Oat is strictly pure and at the low price which we are offering them you should sow a good field. Per bu., \$1.25; 10 bu., \$1.00 per bu.

Speltz or Emmer

It makes a good crop with almost any condition of soil and climate. It is neither wheat, rye nor barley, and yet it appears to be a combination of these. It is more like wheat than any of the others mentioned. For fattening cattle, poultry, horses, sheep, pigs, etc., it is claimed to be ahead of other grains; in fact, all kinds of animals seem to thrive on it. Speltz is claimed to be ahead of corn, superior to oats and more profitable than wheat. Yields 80 to 100 bushels of richer food than corn, besides giving as much as four tons of good hay per acre. Excellent for pasture and can be fed in the green state. As green grass hay food it often gives 100 leafy stalks from one seed, which shows its heavy stooling properties. The heads are somewhat similar to two-rowed barley, the spikeless being separated from each other in such a manner that the crop is not easily injured by the weather. It is a heavy yielder. Will grow well and produce enormous crops on land where wheat will not grow. 25 lbs., 90c; 50 lbs., \$1.25; 100 lbs., \$2.25; 500 lbs., \$10.00.

RYE

Spring Rye—This variety has been developed simply by planting Winter Rye in the spring and selecting the seed so produced for several years. The standard variety for spring planting. Pk., 50c; bu., \$1.75.

Winter Rye

This valuable forage plant produces pasture from early in the spring until late in the fall if sown in the spring. It seldom produces any head and gives you good pasture all summer. It is also an excellent fertilizer, plowing it under in mid-summer. In sowing the same variety in September it produces a crop of seed the next year. We offer choice, selected stock only. Price, pk., 40c; bu., \$1.25.



BARLEY

University, No. 105 (New Barley)—For several years the Minnesota State Experiment Station has been breeding and testing many varieties of Barley with a view to producing an improved sort that would lead all other kinds in the matter of yield. This ambition, the station considers, has been realized in the new six-rowed variety here offered under the name of University No. 105. In comparative tests covering a period of several years and made side by side with the best known and most popular varieties, it has proven to be the heaviest yielder, and from any standpoint a most valuable acquisition. It is early, uniform in maturing and pure. Bu. of 48 lbs., \$1.65; 10 bu., at \$1.50.

Odebrucker Barley

In this age of improvement in grain, Barley has come in for its share of attention and experimenters have shown wonderful progress in securing better grades and yields.

The Wisconsin Agricultural College has taken a leading part in the improvement of Barley, and in introducing the Odebrucker they are beyond question several years ahead in improvement of all other varieties. The Odebrucker is a better color, heavier yielder and the very best Barley than can be grown. The Seed we offer is produced from Seed secured direct from the Wisconsin Agricultural College and the quality is certainly fine, and we ask all our intended customers to send to us for a sample of it, which we will be glad to submit. The quantity of available Seed of this new variety is not large, and we would advise all Barley growers to make their orders early for this. Per bu., \$1.50.

Beardless Barley

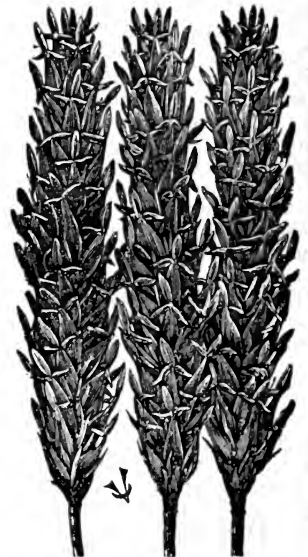
This Barley will mature in 60 days from date of sowing under ordinary conditions. A Barley without beards. This must be admitted by all as a very desirable thing. Most of you have threshed barley and some of you have been in the stack and you know what bearded barley is. The greatest advantage lies in the extreme earliness, which makes it absolutely desirable if not indispensable for early feeding when old grain is scarce. Being a sport from the old bearded barley, there may appear a few heads in the field showing beards. Pk., 50c; bu., \$1.60; 5 bu., \$7.00.

HULLESS BARLEY—Has no beards or hulls. Earliest and best Hog Feed grown. Yields immense crops. Better for feeding purposes than any other Barley. Plant for earliest feed. Per bu., \$1.55.

Woonsocket, S. D., Aug. 5, 1913.

The plums and apple trees I got from you last fall did well. Please send me your fall catalogue. I will send another order for trees this fall.

JOHN OE.



Cow Peas

The Great Soil Improver. Make poor land rich, make good land more productive, enriching the soil even after crop is cut. Green crops plowed under are one of the best and cheapest ways of improving the soil. For this purpose the Cow Pea is excellent, especially for a medium or light soil. They should be sown in May or June, at the rate of 1½ bushels to the acre, and plowed under as soon as they have attained their full growth. While this crop is very largely grown wherever known, with the results obtained from it, the wonder is that it is not grown ten times as much as at present. There is no surer or cheaper means of improving poor soil than by sowing Cow Peas.

Cow Peas for Hay—If planted early, say the middle of May, in the central corn belt section, a crop can be cut and cured for hay the same as clover, then the stubble in a short time will put on a new growth to be turned under in the fall as a fertilizer.

We suggest sowing Kaffir Corn with this crop, at the rate of one peck to one bushel of the Cow Pea per acre. The Kaffir Corn holds the vines off the ground, causing a better growth.

New Era—Pk., \$1.00; bu., \$3.55.

Unity, Maine, Dec. 23, 1913.

I received your check in this morning's mail and thank you very much. I entered the products of your seed in two other fairs, Unity and the Maine State Seed Improvement Society, and I want to tell you what the premiums were that I got: First, on Watermelons, Cucumbers, Tomatoes, Rust Proof Beans, Sweet Corn, Uncle Sam Corn, Oats, Barley.

E. S. STEVENS.

CANADA FIELD PEAS

FOR HOGS, HORSES, CATTLE AND SHEEP

Equal to Corn and Six Weeks Earlier

(Extract from Department of Agriculture Year Book)

There is no kind of live stock on the farm to which Peas cannot be fed with positive advantage. . . . They make a good food for horses at work, and colts during the period of development if given as a part of the grain food. As a food for fattening cattle Peas are probably unexcelled.

Peas furnish a good food for milch cows. They have been found peculiarly beneficial for building up dairy cows when "out of condition," and for sustaining them in fine form and they are also excellent for milk production. When given along with oats and bran to cows in milk they may usually form from one-third to one-half of the grain portion by weight.

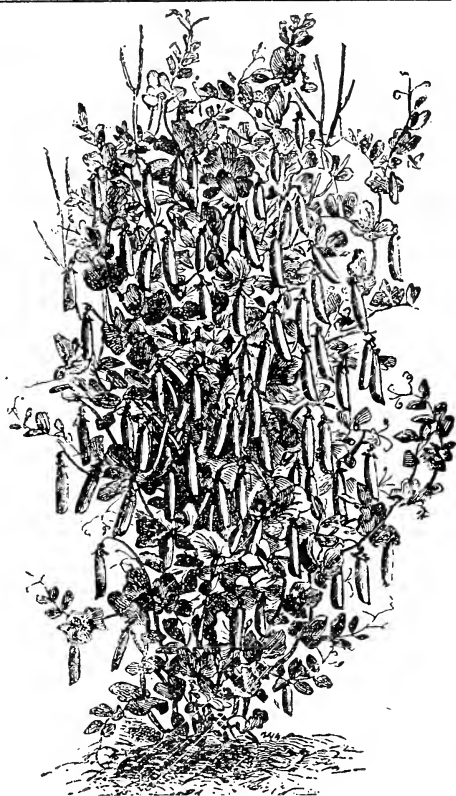
Peas are superior to corn for pigs at any time prior to the fattening season; hence they may be fed to them freely.

When Pea straw is well cured it is more relished by horses, cattle and sheep than the straw of rye, wheat, barley, or even oats. . . .

When sown with oats or barley Peas make a good summer pasture for sheep.

Peas grown in conjunction with some other kinds of grain are of great value as a soiling crop, owing, first, to the larger yields obtained (from 10 to 20 tons per acre may be expected on average soils); second, to the high nutritive value of the food, combined with its palatability; and third, because of its timeliness.

Sow $1\frac{1}{2}$ bushels per acre. Per bu., \$2.75.



Canada Field Peas

Dwarf Essex Rape

A much neglected, valuable forage crop, for the same reason that you neglect to get a crop of turnips. For early sowing with grain you place this with your other orders, but the people who are going to sow later in corn field or otherwise, neglect to buy and so miss a valuable crop of several tons to the acre.

Make one order for all you will need during the season. It will not be any cheaper, and you will then have it when you want it.

A good crop will furnish at least twelve tons of green food per acre, and its nutritive value is nearly twice that of clover. One acre of well-grown Rape will furnish pasture for ten to twenty head of sheep for two months, and in that time it will fatten them in good form for the market. Dwarf Essex Rape thrives best on a good soil, rich in vegetable matter. Slough lands are excellent. This plant may be grown successfully in the following ways, viz.: First—in the early spring to provide pasture for sheep and swine. Second—in June or July on well prepared land to provide pasture for sheep. Third—Along with grain, using two pounds of seed per acre, to provide pasture for sheep after harvest. Fourth—Along with peas, oats, clover seed, to provide pasture for sheep, and to get a "catch" of clover. Fifth—Along with corn drilled in broadcast to provide pasture for sheep. Sixth—in corn, sowing the seed with the last cultivation given to the corn.

Seventh—Along with rye, sown in August in sheep pastures. When the Rape is sown broadcast, 5 pounds of seed per acre will suffice. When sown in rows, say 30 inches apart, and cultivated, from 1 to 2 pounds will be enough. A director of one of the Agricultural Experiment Stations says: "We have one-half an acre of Rape this year, which gave an actual yield of $9\frac{3}{4}$ tons, or at the rate of $19\frac{1}{2}$ tons per acre." Beware of the kind of Rape Seed you sow. There is only one sort of any value in this country for sheep feed, and that the true Dwarf Essex Rape Seed. Some are worthless as fodder plants, while others are fictions, for the purpose of extorting a higher price from the buyer. We import our Dwarf Essex Rape Seed every year, and know it to be genuine, and of the very best quality, which alone is a sufficient guarantee, worth much more than the price of the seed. This is the article to sow this year, as the price is lower in proportion than on any other fodder crops. Price, 10 lbs., at 12c per lb.; 25 lbs. at 11c per lb.; 100 lbs., at 10c per lb.





Winter Vetch

Sand or Winter Vetch—(*Vicia Villosa*)—Sometimes called Hairy Vetch. This has proven to be the most valuable of all Vetches. It succeeds well on nearly all soils, and thrives surprisingly on poor, light land, and well withstands extremes of drouth, heat and cold. It may be sown either in the spring or fall, usually with Rye. It grows rapidly and is particularly valuable in sections where Clover does not thrive. In the North it remains all winter under the snow, and it is invaluable for early pasturing or soiling. It is valuable as a fertilizer, being a great nitrogen gatherer. For Hay, cut when commencing to pod. Fifty pounds of Seed required to the acre. Lb., 25c; 10 lbs., at 15c; 100 lbs., at 13c.

Kaffir Corn—It grows from five to seven feet high, making a straight, upright growth. It has a stalky stem, with enormous wide leaves. The stalks keep green and are brittle and juicy, not hardening like other varieties of Sorghum, making excellent fodder, either green or dried, which is highly relished by cattle, horses and sheep. The Seed heads form at the top of each stalk, and as soon as these show the grain well the joints below the top send up shoots which yield the second Seed heads. For the grain sow in rows three feet apart, three to five pounds of Seed to the acre. For fodder sow one-half to one bushel, either broadcast or in drills. Lb., 20c; 100 lbs., \$3.75.

Canary Seed—For birds. Lb., 10c; 10 lbs., 75c.

Jerusalem Corn—Introduced from Palestine by a missionary. One of the surest of all forage plants for dry countries and seasons. Grows three to four feet high; produces many large heads well filled with a valuable grain for stock and chicken feed. 10 lbs., 95c; 100 lbs., \$5.00.

Broom Corn

Wilson's Improved Tennessee Everlasting — This Broom Corn grows about 8 to 10 feet high, stands up well and is entirely free from crooked brush. The fibre is long and fine and will always command the highest price. 10 lbs., 90c; 50 lbs., \$3.75.

Missouri Evergreen—Is a favorite of Kansas, Nebraska and Missouri. 10 lbs., 90c; 50 lbs., \$3.75.

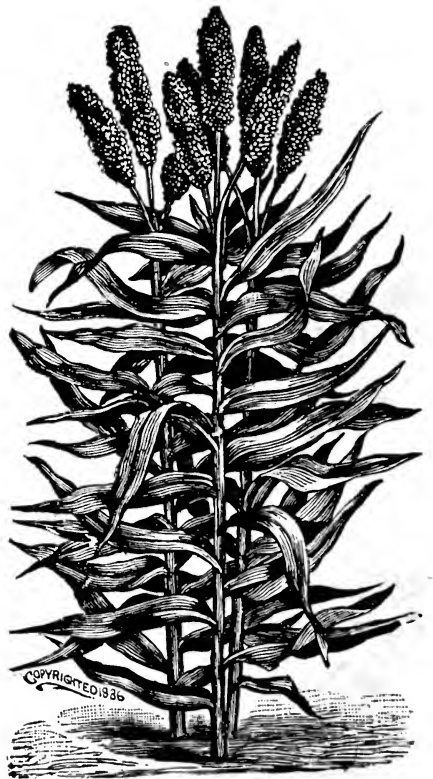
Cane or Sorghum

Sorghum (or Sugar Cane) in the West is not at all appreciated, and we wish to call the attention of farmers everywhere to the great value of Sorghum as a pasture and fodder crop, and to the particular advantage to be gained by growing it. Sorghum may be made to furnish the principal provender for cattle and horses from August until the following spring. As a summer pasture for sheep, a wide field is likely to be opened up by it. As a soiling food for swine it is most excellent, and the Seed furnishes a splendid food for fowls. It grows right along through the severest and most prolonged drouths.

Early Amber Cane—This popular and well known variety is the earliest. Lb., 20c; 10 lbs., 65c; 50 lbs., \$2.50; 100 lbs., \$4.35.

Dakota Grown Amber Cane—We have quantities of cane grown for us each season in Dakota and while we do not claim better yields for it than other cane, we do claim earliness and drouth resistant features over other cane. 1 lb., 20c; 50 lbs., \$3.00; 100 lbs., \$5.00.

Teosinte—Recommended as the most prolific forage plant yet introduced, the stalks containing much more saccharine matter, are very nutritious; it can be cut several times during the season, yielding enormously. One seed often produces twenty to sixty stalks or shoots. It should not be planted until the soil is perfectly warm in the spring. It requires about 6 lbs. of seed to the acre. Plant in drills three feet apart, two or three seeds every twelve inches. Oz., 20c; ¼ lb., 30c; 1 lb., \$1.00; 4 lbs. (enough for an acre), \$2.75.



Kaffir Corn.

FETERITA

This is a new grain of the Durra group introduced by the United States Department of Agriculture from British Egyptian Soudan. Growers who tried this last season are very enthusiastic about it, and claim it is the best forage crop they have.

It produces a stalk of medium height and size, bearing twelve leaves of medium size and a large head, well filled with pure white or bluish white seeds. The grain is larger than milo, is fully as soft and much whiter than Kaffir. Its feeding value is equal to either Kaffir or Milo and does not contain the dust that accompanies the other two.

Feterita is an excellent drouth resister. It stands erect, branches out from the root and matures 25 days earlier than Kaffir. Fields of from 50 to 80 bushels per acre were reported last season.

A remarkable feature is that in Oklahoma two crops of Feterita can be raised on the same ground, planting the second crop with the ripe seed of the first crop. It is also reported that chinch bugs do not bother Feterita.

Feterita is bound to become one of the most important crops of this western country. Get your start now and be among the first to profit by this valuable addition.

Price per pound, postpaid, 25c; not prepaid, 5 lbs., 75c; 25 lbs., \$3.00; 50 lbs., \$5.50; 100 lbs., \$10.00.

Branching Yellow Milo Maize

Grows from 9 to 12 feet high, stooling from the ground, sending out heads of great size, often weighing three-quarters of a pound, sometimes a full pound after ripe. Cattle, horses and hogs will eat it readily. Tests show that during the severe drouth corn dried up within a few feet of it. Three to five pounds will plant an acre. Lb., 20c., postpaid; 10 lbs., 85c; 100 lbs., \$5.00.



Milo Maize

FLAX, MINNESOTA No. 25

This wilt resistant Flax is a selection made by the Minnesota Experiment Station from stock received from the Department of Agriculture at Washington, and in repeated trials at the Minnesota Station and points in the Northwest it outyields all other varieties of Flax from two to four bushels per acre, and where other Flax wilts and fields are entirely destroyed, this has stood perfectly. Not in all cases, but nearly all. It is not absolutely wilt proof, but is nearer so than any other variety.

If you can increase your yield even one bushel per acre by planting this Flax and have the added advantage of leaving your ground clean and free from foul seed on account of planting absolutely clean Flax, you would be ahead if you could secure the common dirty Flax for nothing. Per bu., \$2.75; 5 bu. or more, \$2.50 per bu.

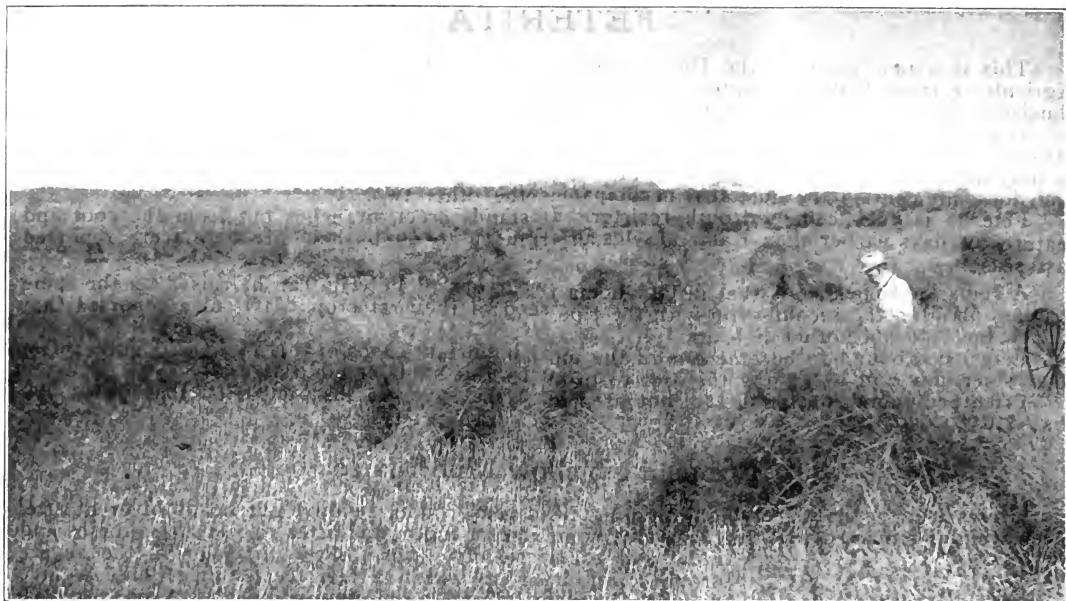
Our Grass and Clover Seed are good enough to comply with any State Laws. It's the kind we sell always, not sometimes.

Inoculate Your Clover and Alfalfa Seed with the Nitro Germ

To successfully grow Alfalfa, Clover, Cow Peas, Soy Beans and other legumes, increase their yields, and improve the soil, use Nitro Germ. It is scientifically prepared and tested. The cost is small, the returns large, and it is easy to use. The treatment of all Clover seed with the Nitro Germ is recommended by practically all of the Experimental and Government stations in the United States. You can grow Alfalfa and Clover without it successfully, but it takes longer, and the expense of inoculating the soil is so little that you can not afford to take the additional time. The Nitro Germ is supplied in three convenient sizes: Garden size, $\frac{1}{4}$ acre, 50c; one acre size, \$2.00; five acre size, \$8.00; ten acre size, \$14.00.

This Nice Little Plant for Border—Spirea Anthony Waterer

This beautiful little Spirea is the best of all plants for borders and very low hedges; it commences to bloom very early in the spring, blooms all summer until frost, and holds the foliage well after the frost. Flowers pink, and almost entirely cover the plant during the growing season. One of the very best for its purpose.



SWEET CLOVER, MELLILLOTUS ALBA

The White Blossom Kind

A great many years ago a Nebraska farmer called at our office and wanted to purchase one bushel of the white flowered Sweet Clover seed. We were both pained and surprised to think any man wished to plant the so-called weed. We told him so in a few harsh words, and refused to sell it to him. He told us if we did not get it for him he would buy it himself and plant it anyway. We finally consented to get it and told him we would watch results. This was planted opposite Yankton, on the Missouri Bottoms, and produced an immense quantity of bee feed, the purpose for which this man purchased it. After it had grown one or two years he commenced to take a crop of hay from it and found that it produced more bee feed and a good crop of hay that his stock were equally as fond of as alfalfa. The next party to whom we sold seed was a man at Bassett, Nebraska; he came to our office and wanted 500 lbs. to sow on sandy land for fertilizing purposes. We told him something of the results of the Nebraska farmer's one bushel, and he said that it might make hay but he wouldn't risk it; he wanted to plant it in the fall and plow it up the next mid-summer. He said that by doing this he could produce as much corn on his very sandy land as we could on the best \$100 per acre land near Yankton. This last customer, from Bassett, Nebraska, increased his purchases each year until he was buying it in ton lots. Then we commenced to wonder why so much, and inquired, and found that he was using it for hog pasture, pasture for his immense herd of cattle and horses, and was making excellent hay of it, besides using it for fertilizing purposes.

Then we commenced to write about it, and urge its planting almost everywhere. Today there is as great demand for the white-flowered Sweet Clover as for Alfalfa, but the demand cannot be supplied as the seed is very difficult to save. It will outyield alfalfa as far as seed production is concerned, but the seed drops so easily that no one has been able to discover a method of harvesting that will save more than 10 to 20 per cent of the crop.

Prof. F. D. Coburn of Kansas, the Alfalfa expert, and probably the best posted Alfalfa man in the United States, says: "Sweet Clover hay has much the same feeding value as Alfalfa, and more than that of Red Clover. Animals show a marked fondness for the hay after becoming accustomed to it (which by the way is usually a matter of education). Its ability to improve soils lies not only in gathering nitrogen from the air and storing it in the earth where grown as do other legumes, but also in its uncommonly large roots penetrating to considerable depth, perforating and sub-dividing the subsoil. Decaying, they contribute humus, and the innumerable openings they cause admit air, light and moisture. Used for green manuring, its value as a soil improver is still greater. The Illinois Station, finding that an acre of Sweet Clover yielding $6\frac{1}{2}$ tons of dry matter would furnish as much humus forming material as 24 tons of barnyard manure. Those who have had experience with it are praiseful of Sweet Clover for pasture and hay. It provides early and late grazing about equal to Alfalfa and Red Clover, but without their tendency to bloat. In the second year after planting it is ready to graze upon as early as mid-April, and may be used the first year until killing frost." No other clover or grass can be pastured successfully the first season.

The following analyses were made by the Wyoming Experiment Station of Sweet Clover and alfalfa grown on the experimental farm, and published in Wyoming Bulletin No. 70, pages 70 and 74. These analyses show Sweet Clover to be richer than alfalfa in protein (muscle, bone and tissue materially, and in ether extract, or fat-forming substance.

| | SWEET CLOVER | | ALFALFA |
|----------------------------|----------------------|-----------------------|------------------------|
| | Cut Oct. 4, 1904. | Cut Aug. 10, 1905. | Average of 11 Samples. |
| Water | 6.02 | 6.88 | 6.57 |
| Ash | 9.57 | 11.03 | 8.79 |
| Ether extract..... | 2.42 | 1.96 | 1.66 |
| Crude fibre..... | 21.77 | 22.27 | 31.25 |
| Crude protein..... | 18.00 | 22.19 | 15.14 |
| Nitrogen Free Extract..... | 42.22 | 35.67 | 36.59 |

It is shown by experiments at the College of Agriculture, Cornell University, Ithaca, N. Y., that grasses grown with legumes, such as clovers, etc., contain more protein, and consequently are of more economical value, than when grown alone. It would seem that while they are both growing together, the grasses receive directly from the roots of the legumes a large supply of available nitrogen which makes, not only more feed, but richer in feeding values.

The following table is taken from Cornell Bulletin No. 294:

| Crop | Protein in Dry Matter. | Protein Per Ton of Hay (10% moisture). |
|--------------------------------|------------------------|---|
| | Per Cent. | Pounds. |
| Timothy grown alone..... | 17.19 | 309 |
| Timothy grown with Clover..... | 24.56 | 442 |

Protein is the most expensive constituent of farm feeds. Comparative analyses of sweet clover, alfalfa, red clover, timothy and cow peas showed that only the alfalfa and cow peas excelled sweet clover in percentage of protein, the alfalfa by one per cent and the cow peas by three per cent. Considered from the standpoint of digestible nutrients, we find the following comparative values for the different feeds:

| | Per ton |
|-----------------------|---------|
| Sweet-clover hay..... | \$18.49 |
| Alfalfa hay..... | 20.16 |
| Timothy hay..... | 9.80 |
| Red clover hay..... | 14.12 |
| Cow-pea hay..... | 19.76 |
| Shelled corn..... | 20.16 |

Beware of the yellow-flowered Sweet Clover—*Mellilotus Indica*. This *Mellilotus Indica* or yellow blossomed Sweet Clover is much smaller than the white-flowered, produces much less foliage, stock does not eat it readily, and while the seed can be purchased for about one-third the price of the white-flowered, personally we would not take it as a gift if we had to plant it.

Quantities of Sweet Clover Seed to be Sowed Per Acre

If for seed purposes, 5 lbs.

For hay purposes, 15 lbs.

We have at the present time a fairly good supply of Sweet Clover, but expect that it will not last longer than until the 1st of March. We would advise that you place your order very early, as there will be an immense demand for it this season. Per. lb., 40c; 10 lbs., \$3.50; 50 lbs., \$16.00; 100 lbs., \$30.00.

CLOVER, GRASS AND FIELD SEEDS

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

We quote only on Fancy Seed. You can buy a cheaper grade of Grass Seed, but it does not pay.

Medium Red Clover

Our Red Clover Seed is all northern grown and crop of 1913. It is first-class in every particular. This Seed will be much better for the northern planters and also for those south of us than Seed grown in Iowa, Kansas or Nebraska.

This species is regarded by far the most important of the whole genus for the practical purposes of agriculture, being valuable not only as a forage plant, but also for its fertilizing properties on the soil. It has very long and powerful tap-roots, and when these roots decay they add largely to that black mass of matter called the soil. As a forage plant it makes an excellent quality of hay, and can be cut at least twice a year. Sow about 12 or 15 pounds to the acre. Weight, 60 lbs. per bu. Pound, 40c; bu., \$14.00.





A South Dakota Field of Red Clover.



Alsike Clover.

Crimson Clover—A rapid and quick growing Clover, valuable for hay or for plowing under as a fertilizer. One of the cheapest and best Clovers for this latter purpose. It is especially valuable for sowing among corn or other crops at time of last cultivation, as it will produce a good stand in a partial shade and will afford a close, dense mat of growing foliage to turn under in the spring. Sow at the rate of 15 lbs. to the acre. (60 lbs. per bu.) Pound, postpaid, 30c; bu., \$8.00.

Alsike and Timothy—In the Northwest there is a great demand for a mixture of Alsike and Timothy Seed mixed in the right proportions ready for sowing. This mixture is especially valuable for low, wet places, for permanent meadow or for pasture, and on account of the very low price at which we offer it you can seed down more ground for the least money than with anything else in the Grass Seed line. Pound, postpaid, 25c; 100 lbs., \$9.00.

Mammoth Red Clover—This grows much taller than Red Medium, with larger, leafier stalks and large, slightly pointed leaflets. It will produce more hay on poor ground than any of the other Clovers. (60 lbs. per bu.) Pound, 40c; per bu., \$14.00.

Alsike, or Swedish Clover—This Clover comes from the little province of Alaska, in Sweden. It is one of the hardiest varieties known, being perennial and absolutely refuses to winter kill; it is alike capable of resisting the extremes of drouth or wet. It is a great favorite with all who have tried it. Produces annually a great quantity of herbage of excellent quality. Sow in spring or fall about 8 to 10 pounds per acre. Weight, 60 lbs. per bu. Pound, 40c; bu., \$15.50.

White Dutch Clover—An excellent pasture Clover, forming in conjunction with Kentucky Blue Grass the finest and most nutritious food for sheep and cows. Sow 5 or 6 pounds to the acre. Weight, 60 lbs., per bu. Pound, 60c; 10 lbs., \$5.00.



Isabel, S. D., May 14, 1913.

My order received in fine shape, and I have them all planted. I am well pleased with the stuff.

C. WHITEHEAD.

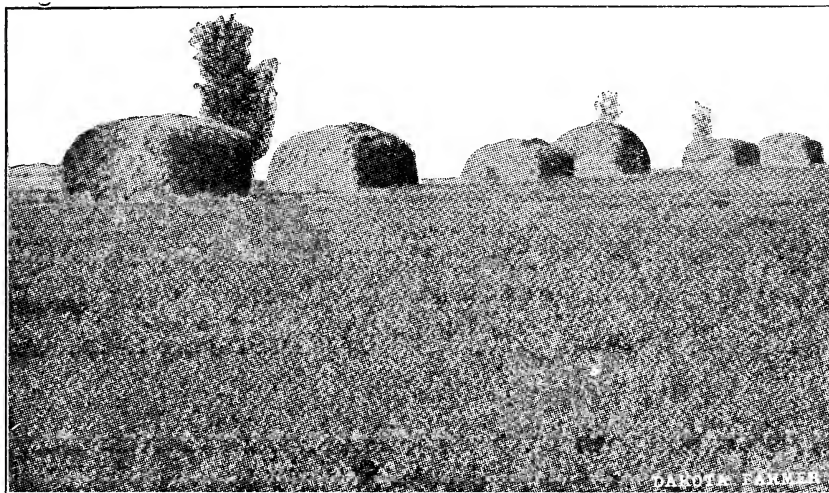
HOGS FATTENED WITHOUT CORN

Top the Chicago Market on a Ration of Alfalfa and Beets

Proof that a ration of alfalfa and sugar beets is the superior of corn for fattening hogs was furnished when a carload of such animals was sold on the market in Chicago for the highest price paid this year. The swine were owned by A. Reilly of this city and topped the market at \$7.95 a hundred on foot.

The hogs come from Montana, which so far has sent but few hogs to the eastern markets. The animals were easily the superior of hundreds from Iowa, Illinois and other corn belt states.

They were raised on the Huntley project on alfalfa and finished on a ration of alfalfa, sugar beets and barley.



And Still There's More to Follow. Courtesy "Book of Alfalfa."

Alfalfa Seed, Dakota Grown 99 Per Cent Pure, Guaranteed

We are pleased to announce that we have once more secured a supply of Alfalfa Seed for this season from South Dakota growers. With each succeeding year we find the growers are more careful in keeping weeds of all kinds from going to seed in their fields, consequently, the quality of seed gets better. Owing to our personal acquaintance and personal inspection of the fields of Alfalfa Seed grown in South Dakota, this enables us to purchase the cream of the crop, and we have done it this season, taking only the most fancy lots offered and at prices that have netted the growers of Alfalfa Seed from \$40 to \$100 per acre. In comparing our Dakota grown Alfalfa Seed with some other high-priced varieties like the Grimms, for instance, we wish to say, there is absolutely nothing in favor of the Grimms Alfalfa except the price. Most of the fields of Alfalfa from which our seed is secured have been planted in the driest places of South Dakota, for a great many years, consequently any plants that were not perfectly hardy have been killed out and nothing left but the hardiest. The



A \$900.00 load of South Dakota grown Alfalfa Seed just from the Huller.
Purchased and recleaned by us.

Grimms Alfalfa which sells at from 50 cents to \$1.00 per lb. had the same test but not so severe as it is grown in a country where the rainfall is at least 25 per cent greater than the rainfall where Gurney's Dakota grown Alfalfa seed is produced. By securing this Dakota grown seed you can grow Alfalfa most anywhere. By our personal acquaintance with the growers of Seed in South Dakota, we have been able to secure the very choicest and guarantee our South Dakota grown Alfalfa Seed to be at least 99 per cent pure and free from injurious weed seed. The value of Alfalfa is better known with each year and the demand is increasing with each season, and it is acknowledged by the very best authorities on Alfalfa that Seed grown on high and dry land like our South Dakota Seed, is the very best to plant anywhere.

Alfalfa growing in the Northwest is no longer an experiment, but is an established, profitable fact, and with the advent of **Dakota Grown Seed**, grown on virgin soil, free from foul seed of any kind, it makes the profits larger and the task of securing a perfect stand very simple.

Every bushel of Alfalfa Seed offered by us this season is recleaned and first-class in every respect. Think what this means to the planters of this valuable forage crop in the extreme North; seed grown under the same conditions and practically the same soil that it will be planted in.

The homesteaders of South Dakota west of the Missouri River probably have the finest Alfalfa producing land in the North, and any land that will produce a good crop of Alfalfa will pay a good dividend on \$100 per acre. In other words, if you can grow Alfalfa successfully your land is worth \$100 per acre. It will produce an income on that amount. It will produce more forage per acre, either green or dry, than any other known Clover or Grass. It successfully resists the fiercest drouth. In the driest weather, when every blade of grass withers for want of moisture, Alfalfa stands up fresh and green as in the spring. It is proof against our severest winters. It is adapted to dry and sandy soil, where other plants fail to grow, as well as those that are deep and rich. Its roots, often measuring 20 to 30 feet in length, force their way down deep into the sub-soil in search of moisture and plant food that cannot be reached by any other plant.

Alfalfa is better than a bank account, for it never fails or goes into the hands of a receiver.

It is weather-proof, for cold does not injure and heat makes it grow all the better. Fire will not kill it. As a borer it is equal to an artesian well; it loves water and bores to reach it. When growing there is no stopping it. Begin cutting a 20-acre field; when your last load is handled at one end of the field it is ready to cut again at the other end. For filling a milk can an Alfalfa-fed cow is equal to a handy pump. Cattle love it, hogs fatten upon it, and a hungry horse wants nothing else. If your land will grow Alfalfa you have the drop on dry weather.

A Word of Warning

We wish to impress on our readers that practically all of the Alfalfas offered under other names and at high prices are nothing more nor less than the western South Dakota grown Alfalfa seed, and you cannot make it any better than it is no matter what price you pay for it. So you had better purchase it under its correct name and at a reasonable price rather than at a high price and secure the same seed. We are informed that some of the growers in the western part of the state have changed the name of their alfalfa to Grimm's, and other high sounding names for the reason that



Alfalfa Plant two years old.

they could secure more for the seed, and judging from some reports of some sales that have been made out there they have caught a quantity of "suckers." You cannot get better alfalfa seed than Gurney's South Dakota grown. We guarantee it to be 99 per cent or better pure. It is sold for just what it is and at a price that brings it within the reach of all. This past season there was a better crop of alfalfa seed than there has been for a great many years, consequently the price is quite a bit lower than a year ago. Per lb., 35c; per bu., \$11.75; 3 bu., \$35.00.



Alfalfa Plant.

Nebraska Grown Alfalfa

We have secured a quantity of strictly fancy Nebraska grown seed which we guarantee to be 99 per cent or better pure, and of the highest germination. Per lb., 35c; per bu., \$10.50; 3 bu., \$30.00.

Turkestan Alfalfa

We have imported each year direct a quantity of the Turkestan alfalfa, and the demand is increasing for it more for pasture purposes than for other alfalfas; it makes a finer, shorter hay than the Dakota or Nebraska grown alfalfas, and for that reason it is used more or less for pasture purposes. It is a very valuable alfalfa. Pound, 35c; bu., \$11.00; 3 bu., \$31.00.

Bromus Inermis

Dakota grown Seed only. New settlers west of the Missouri River in North and South Dakota and Western Nebraska should use this Grass almost exclusively on their land. An exceedingly valuable Grass; succeeds and produces immense crops of high nutritive value on the sterile and arid plains of our Western States, growing luxuriantly on dry, sandy soils where other grasses would perish. It is perennial, and once sown down will stand for ten years. It is one of the surest to obtain a catch, establishing itself very rapidly; so much so that a good hay crop can be had the first season, followed afterwards by an immense amount of succulent pasturage. On and after the first season two crops a year can be had from it. When fully grown the plant stands 4 to 5 feet in height and stools out freely. It is ready to cut the latter part of June. This grand Grass has been highly indorsed by the Experiment Stations, a few



5,500 Pounds Dakota Grown Bromus For One Planter.

of which we give below. Prof. Shaw, of Iowa, says: "This Grass cannot be obtained too soon by the farmers of the West." Notes on the Grasses and Forage Plants of Iowa, Nebraska and Colorado, published by the U. S. Department of Agriculture, says: "Bromus Inermis withstands drouth and cold, and is perfectly adapted to conditions existing in Iowa. It makes an excellent growth, and more nearly reaches the ideal of a farmers' Grass than any other sort introduced in recent years." Sow broadcast at the rate of 20 lbs. per acre (14 lbs. per bu.) We have this variety true to name and absolutely pure. Per lb., 25c; per bu., \$2.40; per 100 bu., \$16.00.



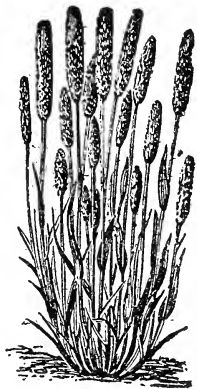
Kentucky Blue.



Orchard.



Red Top.



Timothy.

of which we give below. Prof. Shaw, of Iowa, says: "This Grass cannot be obtained too soon by the farmers of the West." Notes on the Grasses and Forage Plants of Iowa, Nebraska and Colorado, published by the U. S. Department of Agriculture, says: "Bromus Inermis withstands drouth and cold, and is perfectly adapted to conditions existing in Iowa. It makes an excellent growth, and more nearly reaches the ideal of a farmers' Grass than any other sort introduced in recent years." Sow broadcast at the rate of 20 lbs. per acre (14 lbs. per bu.) We have this variety true to name and absolutely pure. Per lb., 25c; per bu., \$2.40; per 100 bu., \$16.00.

Meadow Fesque, or English Blue Grass—One of the best of the so-called natural or permanent Meadow Grasses, and has so well adapted itself to our Northern and Western States as to have become invaluable; in fact, it thrives over as wide a range as any of our Grasses, succeeding as far south as Tennessee. It is greedily eaten by all kinds of stock, is very fattening, and makes excellent hay. It is very hardy and succeeds in almost all soils, but attains its greatest perfection in moist, rich land. Coming into use very early and again late in the fall, it should form a prominent part in all permanent pasture and meadow mixtures. (22 lbs. to the bu.) Per lb., 35c; per 100 lbs., \$16.00.

Orchard Grass—(*Dactylis Glomerata*)—It is of exceptional value for permanent pastures and for hay crops. It is very early, coming in ahead of all the other grasses, recovers quickly after being cut, and endures close cropping by cattle. All kinds of stock relish it greatly, and if cut when it comes into flower makes excellent hay. Thrives well on all soils and attains its greatest perfection on strong, moist and clay lands. (14 lbs. per bu.) **Per lb., 30c; bu., \$3.00; 100 lbs., \$20.00.**

Tall Meadow Oat Grass—(*Avona Elatior*)—The earliest of all the grasses and the one that has naturalized itself all through the Western States. It is the first Grass to show itself in spring, and grows rapidly in good soil, showing a height of 4 feet by June. It should be cut for hay just as coming into bloom; will furnish two and three cuttings per year, and is invaluable for early and late pasturage, furnishing a nice, sweet and tender herbage. Sow when alone, 20 to 25 lbs. per acre. (10 lbs. per bu.) **Per lb., 30c; bu., \$2.50; 100 lbs., \$22.50.**

WESTERWOLDE RYE GRASS

The Sudden Hay Plant

Produces a number of crops of hay the first season. On our trial ground this past season it was by far the best grass planted.

The King of Grass Seeds

Quick help is wanted in years of greenfodder-shortage, when the clover has been spoilt and burnt by heat, when the newly laid out meadows have been wasted away.

What is to be done? In such a spring sow a seed, growing quickly and giving more than a single cut. Such a plant is the

Annual Ryegrass "Westerwolde"

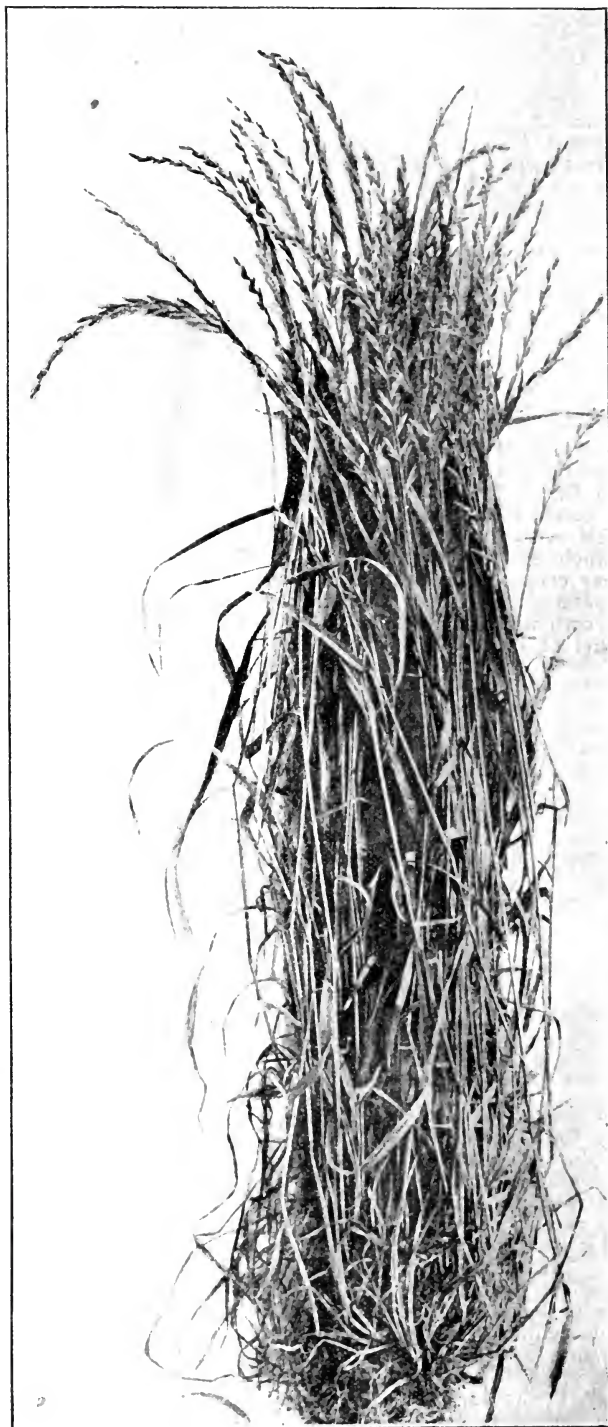
(*Lolium annuum Westerwoldicum*.)

Why? Nearly all grasses give their richest output in the second year only, whilst "Westerwolde" Ryegrass yields in the first year, gives a result of three and even 4 cuts of best greenfodder, about 2 feet high, which is eaten with relish by horses, sheep and all sorts of cattle.

Westerwolde Ryegrass, at the first glance, looks rather similar to Italian Ryegrass. But Italian Ryegrass comes to full development in the second year only, yielding even then but two cuts. Westerwolde Ryegrass prospers on nearly every soil; the best results however, have been obtained on sandy grounds and on marshy soils. Time for sowing is February and May. About 50 lbs. seed being required per acre.

I quote today subject to being unsold and price unchanged.

Per 100 lbs., \$12.00.



Kentucky Blue Grass (June Grass or Smooth-Stalked Meadow Grass, Fancy Cleaned)—(*Poa Pratensis*)—One of the first grasses to start in the spring; much relished by all kinds of stock, and succeeds on a great variety of soils, particularly on rich, moist lands. Fancy cleaned Seed. (20 lbs. per bu.) Per lb., 40c; 20 lbs., \$4.00; 100 lbs., \$18.00.

Red Top, Choice—(*Agrostis Vulgaris*)—Grows on almost all soils, but does best on moist lands; should be included in all mixtures for seeding down wet or marsh lands. (15 lbs. per bu.) Per lb., 35c; 15 lbs., \$4.00; 100 lbs., \$26.00.

English Rye Grass—(*Lolium Perenne*)—One of the best and most nutritious grasses for permanent meadows and pastures; it endures close cropping and recovers quickly after cutting. Does best on strong, rich soils. (24 lbs. per bu.) Per lb., 20c; 24 lbs., \$2.50; 100 lbs., \$9.50.

Italian Rye Grass—An excellent variety producing a nutritious feed in early spring; if sown early, will produce a large crop at the same season. (18 lbs. per bu.) Per lb., 20c; 18 lbs., \$2.00; 100 lbs., \$9.00.

Timothy—(*Phleum Pratense*)—Dakota grown; thoroughly recleaned; the best Timothy Seed on earth. You know what Timothy is, and you can grow it. A few years ago it was almost unknown to the farmers and stock growers of South Dakota; today it is growing successfully in the eastern half of South Dakota from the south to the north line. Most farmers have their Timothy and Clover meadows and pastures. Our Seed is all northern grown, and of the very best grade. (45 lbs. per bu.) Pound, 25c; 100 lbs., \$8.00.



South Dakota State Capitol Building.

LAWN FROM GURNEY SEED

We are showing here a photograph of the new Capitol building at Pierre, South Dakota, together with the lawn surrounding same. These grounds were planted with our special lawn mixture in May; this photograph was taken in early September and shows something of the luxuriant growth of the grass and the beautiful lawn surrounding this elegant new Capitol building. The marvelous beauty of this perfect lawn produced in so short a time has created a great deal of favorable comment among the newspapers of the Northwest, some of them devoting columns to it this past summer. Gurney's Lawn Grass will produce this kind of a lawn anywhere.

The state of South Dakota is to be congratulated on its fine building and beautiful lawn.

GURNEY'S EAR TESTED EAR SEED CORN

TO AVOID THE DISAPPOINTING POOR STAND THAT IS OFTEN SECURED BY PLANTING SEED CORN THAT HAS NOT BEEN PROPERLY TESTED, YOU SHOULD PLANT OUR EAR TESTED EAR SEED CORN. WE TEST EACH EAR SEPARATELY AND RETAIN THE EARS THAT SHOW 100% GERMINATION. SEED OF THIS KIND COSTS YOU 60c PER ACRE. IT OFTEN INCREASES THE YIELD FROM 5 TO 20 BU. PER ACRE. IS THERE ANY REASON WHY YOU SHOULD NOT PLANT IT? PRICE, \$5.00 PER BU.

Grasses for Special Purposes

For Lawns—It is made up of the Seed of several fine-leaved grasses, selected and recommended by the experts of the Agricultural Department at Washington, after a series of most careful experiments extending over several years. We can conceive of no better authority on the subject than these painstaking investigators. It may be said here concerning all these special purpose Grass mixtures that they are based mainly on the results of these field trials at the department and at various State Experiment Stations. The mixture offered here for lawn purposes has been tested thoroughly under the severe conditions of our climate, and has proven so generally satisfactory as to fully warrant us in claiming them to be unexcelled. Pound, 50c; 10 lbs., \$4.00.

For shady places, certain fine grasses are used that show a particular aptitude for maintaining their growth in the shade of trees. These grasses are generally shy seeders and consequently the seed is high priced, as will be noted in our price list, but the results obtained will fully warrant the cost. Pound, 45c; 10 lbs., \$4.00.

For Permanent Upland Pastures—Farmers frequently desire to lay down certain fields on account of inaccessibility or difficulty of working, as a permanent pasture for their stock. It is highly desirable that the right grasses be selected for the purpose and the location. The ordinary May Grasses as a rule will not answer at all, as they will not maintain their growth under the tramping and close cropping of stock. Other grasses, while succeeding well in meadows, are totally unfit for uplands. The Seed we offer under this head is made up of varieties particularly qualified for permanently settling upland pastures. Pound, 25c; 100 lbs., \$15.00.

For Permanent Meadow Pastures—The object to be obtained in this case is exactly the same as under the last heading, but the location and condition being entirely different, a totally different set of grasses must be used in making up the mixture. The use of this mixture may be relied upon by farmers to give a satisfactory permanent meadow pasture. Pound, 25c; 100 lbs., \$15.00.

MILLET

Manitoba, or Hog Millet—This has come to be one of the most valuable crops that a farmer can raise, the Seed being the richest and most valuable Hog Food that can be produced, while the Hay is very valuable for stock. A very much prized peculiarity of the Nebraska Manitoba is that the Seed ripens while the hay is yet green, when, if cut properly, can be threshed for Seed, while the hay makes excellent fodder after being threshed. Pound, 10c; 100 lbs., \$3.50.

German Millet

Planted on good land, produces a large crop of hay or forage during the summer months and leaves the ground in the finest condition for Wheat. There is no larger yielding forage plant. Seed is valuable for poultry. (Bushel, 50 lbs.) Sow $\frac{1}{2}$ bushel to the acre. Value constantly changing. Write for prices. Bu., \$1.75; 100 lbs., \$3.20.

Hungarian Grass—(*Panicum Germanicum*)—A valuable forage plant; withstands drought, yields well on light soil. Sow broadcast at the rate of 34 to 48 lbs. to the acre and cultivate the same as Millet. (Weight, 48 lbs. per bu.) Bu., \$1.60; 100 lbs., \$3.00.

The New Siberian—The most wonderfully productive and satisfactory forage plant possessing in a superior degree all the essential merits of any of the older sorts, besides many other points of excellence that distinguishes it and renders it a most valuable addition to the list of forages, and which destines it to take front rank if not lead all the rest. It is said to have come from Russia, which would of course give it vigor and hardiness not possessed by those originating in a warm climate. Bu., \$1.60; 100 lbs., \$3.00.

Japanese Millet—All things considered, we call this the most valuable thing in our whole list of forage plants. It has been sold under different names, as "Billion Dollar Grass," "Star of Trust Millet," etc. We recommend it for the following reasons: First, it makes more hay than German Millet or any other. Second, although it grows so large, sometimes seven or eight feet high, the Hay is of the most excellent quality, superior to Corn Fodder. Third, it is adapted to all sections and a great success wherever tried. It does well on low ground. Fourth, two crops a season may be cut from it, or, if left to ripen, it will yield almost as many bushels of Seed per acre as Oats. Fifth, it requires less Seed per acre than any other Millet, 20 to 30 pounds being sufficient. Sixth, it makes fine soilage, especially if mixed with Soy Beans or Sand Vetch. Seventh, it is highly indorsed and recommended by the U. S. Department of Agriculture by all Experimental Stations and by seedsmen generally. Be sure to order of us, as we are headquarters. Treat it exactly as you would German Millet, only sow it a little earlier for the best results. We know it will please you. (40 lbs. per bu.) 50c; bu., \$2.00; 100 lbs., \$4.50.

Pencilaria Pearl Millet—This mammoth Millet is unlike any other Millet grown, and is often referred to as Cattail Millet on account of the resemblance of the heads to that of the Cattail, grown in the sloughs. This Millet grows to a height of 10 feet; produces a wonderful amount of forage and will produce two crops in one season. After the first crop is cut, it immediately sprouts up from the roots and gives you another good crop. It can be sown broadcast or in drills and cultivated. It requires about 12 lbs. of seed per acre. Price lb., 25c; 10 lbs., \$1.65.

FLOWER SEEDS

New and Standard Varieties

Flowers from seed are usually known as Annuals, Biennials and Perennials.

Annuals bloom and ripen seed the first year and then perish.

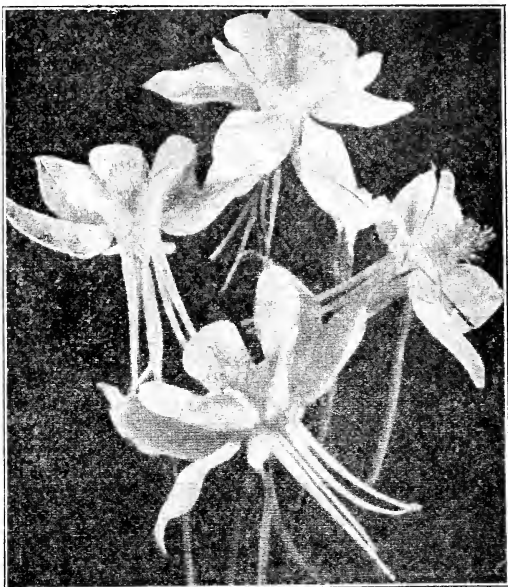
Biennials do not generally flower the first season, and are in perfection only one year.

Perennials continue to flower several years in succession. Many of them bloom the first year if sown early.

Hardy Annuals, Biennials and Perennials can be sown in the open ground early in the spring, if desired, and Biennials and Perennials will not require any protection in winter. The blooming period of all classes may be greatly extended by picking off the flowers as soon as they begin to fade.

Half-Hardy Annuals, Biennials and Perennials should not be sown in open ground until settled warm weather, though they can be sown in the house, if desired, early, and afterwards transplanted. The two latter need to be protected in the winter, or if carried over until spring, in cold-frames or greenhouses.

Aquilegia (Columbine)—Popular hardy perennials that bloom very freely during spring and early summer. These plants grow wild in the timbered country and are known to all the children as Honeysuckle. They come in a great variety of colors and are easily grown. **Pkt., 5c.**



Aquilegia.

Alyssum

Little Gem—Plants 3 to 4 inches high; they soon become a large mass of white scented flowers; fine for bordering; hardy annual. **Pkt., 5c; ¼ lb., 15c.**

Sweet—Fragrant, white, hardy annual. ½ foot. **Pkt., 5c; ¼ oz., 10c; oz., 25c.**

Asters

The Rochester, or Vick's Mikado—Pink petals, narrow, long and reflexed, bending and curling across each other in such magnificent disorder as to make it the fluffiest aster grown, color most exquisite shade of lavender pink, plants are very vigorous and produce immense quantities of very large flowers, ranging from four to six inches in diameter. **Pkt., 10c.**

Hohenzollern—This new race of asters closely resembles the Giant Flowering Japanese Chrysanthemums. The flowers are very large, with beautifully curled and twisted petals and long stems, which make them invaluable for cut flowers. **Pkt., 10c.**

Truffaut's Peony-Flowered Perfection—A magnificent globe-shaped seed saved from the most perfect of this grand strain; 1½ feet. Mixed, many choice colors, **pkt., 10c; ¾ oz., 25c.**

Queen of the Market—The earliest of all the Asters. Grows about 18 inches high and very branching; the fine double flowers are produced freely on long stems, making it valuable for cutting. Mixed, **pkt., 5c; ¾ oz., 15c.**

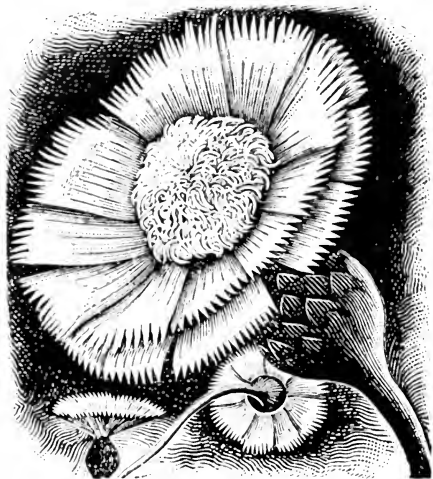
New White Branching—The magnificent large double white flowers, 4 inches in diameter, borne upon long stems, are excellent for cutting. The big broad petals are curled so as to give the blossoms the appearance of a graceful Chrysanthemum. **Pkt., 10c; ¼ oz., 30c; oz., \$1.00.**

Ostrich Plume—Plants of strong branching growth 15 to 18 inches high. The large size of flowers, the fine feathery appearance, long stiff stem and early flowering habit combine to make it most desirable for decorations. **Pkt., 10c; ¼ oz., 30c; oz., \$1.00.**

Dwarf Chrysanthemum Flowered—Large double flowers resembling Chrysanthemums, and valuable on account of profuse late flower. All colors mixed. **Pkt., 5c; ¼ oz., 30c; oz., \$1.15.**



Centaurea



Centaurea.

Centaurea Imperialis—The bushes are about four feet high and covered with large, sweet-scented flowers. Will keep for over a week in water if cut when just about to open. Pkt., 10c.

Corn Flower—The Blue Bottle, or Bachelor's Button, is one of the most attractive of all hardy annuals, with its graceful beauty of its old-fashioned flowers. Colors include dark, light blue, pink, rose and white. Pkt., 5c; oz., 25c.

Premium with Nursery Orders

In addition to other premiums which we give with nursery stock we will, if requested, give to each person ordering \$10.00 worth or a larger amount of nursery stock at one time, a report of the annual meeting of the South Dakota Horticultural Society. We cannot promise to give you the latest report, but as long as the latest ones last these will be passed out, and then the previous year's used. These books are bound in cloth and are the complete report of the Horticultural Society's doings for the year in which they are issued. They are very valuable to anyone growing fruit.

Calliopsis—A very showy border plant; producing flowers in nearly every shade of yellow, orange, crimson, red and brown. Finest mixed, pkt., 5c.

Antirrhinum, Snap-Dragon

An old favorite border plant, which has been greatly improved, with dark and glossy leaves and large, curiously-shaped flowers, with finely marked throats. They bloom the first season from Seed sown in the spring, but the blossoms will be much stronger the second year. Succeeds best in dry, loamy soil. Half-hardy perennial. A few leaves of any light litter thrown over them will help to carry them through the winter, or they may be treated as annuals.

The Giant-Flowered grows about 2 feet high, with larger flowers than the old sorts.

Giant Flowered Firefly—Scarlet, crimson and yellow. Pkt., 5c.

Balsam

Magnificent plants for garden culture. Tender annuals.

Camelia Flowered—The largest flowered of any of the Balsams and perfectly doubled. The individual flowers frequently measure 2½ inches across. The plants forming symmetrical, well branched, erect bushes, the branches being almost covered with the magnificent double flowers. In color they vary from the brightest scarlet, to pure white, including spotted violet, royal purple and many others. Pkt., 5c; oz., 25c.

Premiums at the Inter-State Fair to be Held at Sioux City, Iowa, in 1914

Remember, that the premiums offered at all state fairs are also offered at the Inter-State Fair held at Sioux City, Iowa, and we trust our customers will compete there for the premiums which we offer.



Cosmos



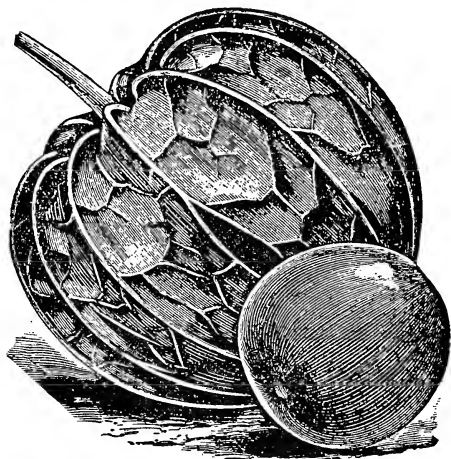
Cosmos.

and the fruit is usually about $\frac{3}{4}$ of an inch through and excellent for eating from the plant or for preserving. It bears a fruit at every leaf bud and late in the season is a solid mass of crimson. It is a hardy perennial, roots living over winter in the ground. Pkt., 10c.

Early Flowering—This early flowering strain may now be had in bloom from July to November. It is such a strong, vigorous grower, and its fine, fringe-like foliage is such a pretty background for its lovely spreading flowers of white, pink, crimson or rose-purple, that it can hardly be spared from any garden. All colors, Cosmos, mixed. Pkt., 5c.

Giant Flowering Cosmos—Pkt., 10c.

Chinese Lantern—A showy variety of Winter Ground Cherry, making plants 18 to 24 inches high and producing large balloon-like fruits, changing from green to bright crimson as the season advances. The husk covering the fruit measures nearly 2 inches through



Chinese Lantern.



Cannas.



Wild Cucumber.

Wild Cucumber

The most rapid growing vine in existence. It will make a growth of 50 feet in a single season and will cover unsightly places quicker than anything else you can plant. It is an excellent shade for summer houses or to train over trellis or porches. Pkt., 5c; oz., 15c.

Cannas

Extra Choice Mixed—Seed saved from 20 varieties of only the very best of the large or Gladiolus-flowered type. Blooms in about ten weeks after planting. Pkt., 5c; oz., 20c.

Candytuft

All the varieties look best in beds or masses. Seed sown in autumn produces flowers in early spring. When sown in April, flowers from July to September, and some of the sorts till frost comes. Hardy annual, 1 foot.

Candytuft Empress, or Snow Queen—A complete mass of large snow-white flowers. Pkt., 5c; oz., 30c.

New Crimson—A profuse bloomer of bright flowers. Pkt., 5c; oz., 30c.

Cockscomb

Giant Crimson Empress Maxima—Dwarf plants bearing mammoth bright cockscomb and bronze foliage, making it one of the most attractive of all the Cockscombs. Pkt., 10c.

Dwarf Mixed—All colors and shapes. Pkt., 5c.

The Wife should select Flower Seed for Premiums. They do most always anyway, and Gurney's Flower Seed never disappoint. We know better than to let them.

Carnation

The Carnation has always been one of the most esteemed of the florist's collection, and there is no flower more desirable for the garden. Sow under glass in greenhouse or hot-bed, and when of sufficient size transplant one foot apart each way. Half-hardy perennial, 1½ feet.

Extra Choice Double Mixed—Seed saved from choicest German and English stocks. A large portion of this Seed will produce double flowers. Pkt., 10c.

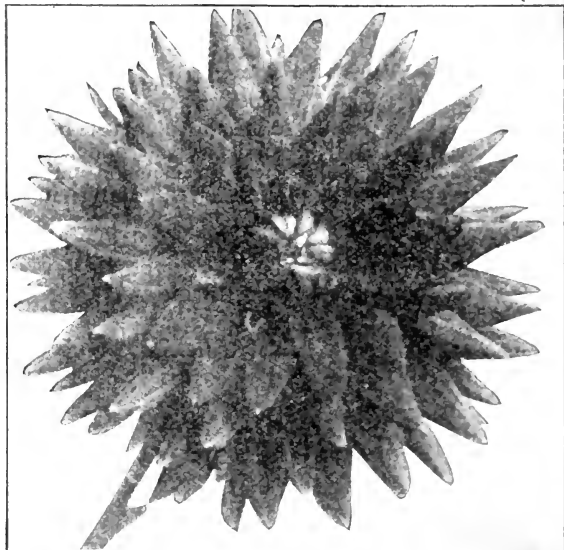
Marguerite—Very free flowering. With ordinary care will be in full bloom in four months after sowing the Seed, flowering in profusion until checked by frost. They flourish equally well in open ground or in pots. The flowers range through many shades of red, pink, white, variegated, etc., of fine form and large size. Mixed, pkt., 5c; ¼ oz., 20c.



Carnation.

Dahlia

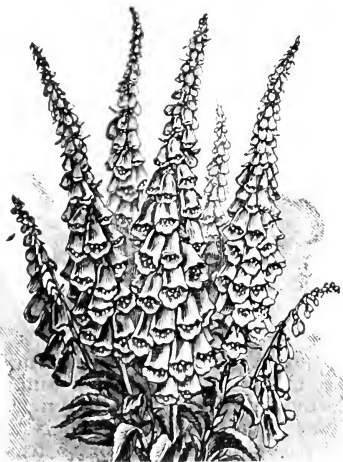
The New Cactus—One of the finest flowers of late introduction, and where known is rapidly taking the place of the old standard Dahlias. Flowers are quilled and curved, resembling Chrysanthemums; grown on long stems, which make them especially valuable for cut flowers. Our Seed is all saved from the newest and most perfect varieties. Pkt., 10c; oz., 40c.



Dahlia.

Digitalis, or Foxglove

The Foxgloves are quite stately and highly ornamental plants when well grown, with flower stems at least three feet in height. They are fine for the mixed border, or planted singly in half-shady places near a walk or drive. The racemes of flowers are often two feet in length.



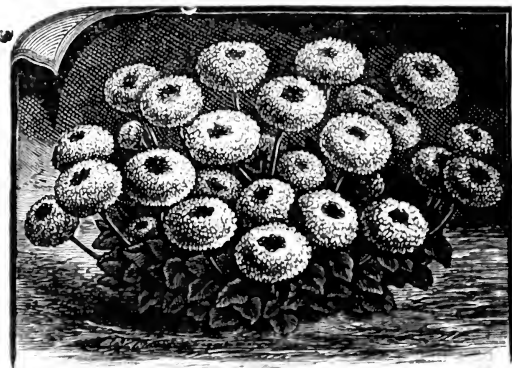
Digitalis, or Foxglove.

taining scores of the prettily spotted thimble-shaped flowers. Perfectly hardy. Sow seed in spring in the garden and transplant as desired. Perennial. Mixed varieties, pkt., 5c.

Daisy, Bellis Perennis

A favorite spring blooming plant. Sow Seed early in hotbed or house and transplant to rich, cool, partially shaded situation, though they do quite well in open sunshine. Half-hardy perennial, ½ foot.

Double Mixed—Choice. Pkt., 5c.



Golden Orange Daisy, African

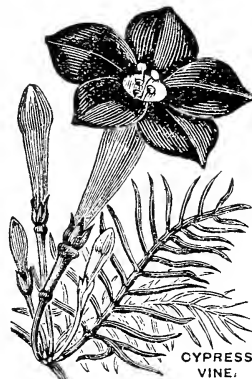
This wonderful new flower was offered by us first in 1912; it was received too late that spring to get into the catalog but we sent out thousands of packages of it, and the success reported certainly places it absolutely at the head of all of the annuals. This flower is from South Africa and is the easiest grown of any of the showy border plants. It grows to a height of about 15 inches and blooms profusely all summer. Seeds planted in the open ground in early May were flowering in July and continued until frost came. In our



trial grounds it was a most attractive flower of any shown there; the flowers are about two and one-half inches across and of the most beautiful golden orange color. We recommend this specially for borders for flower beds and along walks. For cut flowers they are extremely good, lasting for several days after being cut. We recommend that it be placed in the hotbed, or in the house early, and transplanted to the open, so that you will get the full season's flowering; but the seed may be sown in the open ground in early May and will produce flowers all summer. Pkg., 10c; $\frac{1}{4}$ oz., 40c; 1 oz., \$1.25.

Cypress Vine

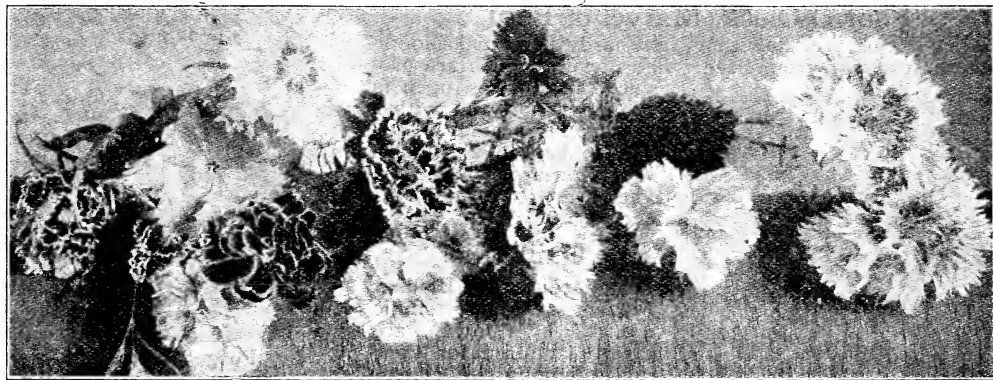
A most beautiful vine, with delicate fern-like foliage and beautiful star-shaped rose, scarlet and white flowers. Pkt., 5c; oz., 20c.



CYPRESS VINE.

Dianthus, Pink Heddewegia

For brilliancy of coloring and markings as well as beautiful forms of flowers, this family cannot be surpassed. The colors range through white, pink and crimson to the very deepest maroon; many varieties are finely fringed. Hardy biennials, but are better treated as annuals, as they bloom early from Seed sown in the spring. Fancy mixed, pkt., 5c.



Dianthus—Chinese or Indian Pinks—Hardy biennials; bloom early from seed; extra double flowers in choicest mixture of bright single colors, variegated and spotted. One of the finest for massing in beds. Pkt., 10c.

The Shasta Daisy—A bed of these giant white Daisies in full bloom is a sight worth seeing. The flowers measure $3\frac{1}{2}$ to 4 inches across and are borne on stems 18 inches to 2 feet long. The numerous long, slender-stemmed white flowers rise most gracefully amid the bed of green, blooming all through the spring and summer months. The flowers keep in water for two weeks. Pkg., 10c.



Giant Escholtzia

Golden West—A grand strain of the well-known favorite California Poppies. The flowers have large, overlapping petals, which are often delicately waved at the edges, showing beautiful and varied forms. The color is an intense shining yellow, with an orange blotch. Hardy annual. Pkt., 5c.

Escholtzia, Double Yellow—This wonderful new double yellow California Poppy is the first of the doubles to be introduced. Plants grow to about 12 inches in height, bloom very early from seed. This should be in all flower gardens. Pkt., 10c.

Forget-Me-Not

Forget-Me-Not—This charming little blue flower succeeds best in damp, shady situations, but will thrive in almost any soil. The Victoria Blue which we offer is the largest flowering, and continues to bloom the longest of any. Pkt., 5c.

Four O'Clock, Marvel of Peru

A handsome, free-flowering, half-hardy perennial, blooming the first season from seed. The flowers, which are produced in clusters, open in the afternoon and wither the next morning. They can be kept like Dahlias. Our mixture contains a fine variety of colors. Pkt., 5c; oz., 10c; ¼ lb., 20c.



Gaillardia.

Gaillardia

Gaillardia, or Blanket Flower — Finest single mixed. The flowers are greatly admired for their rich blending of colors. They thrive well anywhere. Large single flowers in red, scarlet, yellow and orange. Pkt., 5c; oz., 25c.

New Double—Large bright-colored double flowers, useful for cutting. The colors embrace Sulfer, Golden, Yellow, Orange, Amaranth and Claret. Pkt., 5c; oz., 25c.

Gypsophila, or Babies' Breath—The flowers are small, star-like and borne on feathery sprays, which are highly esteemed for cut flowers, as they lend a most graceful effect when combined with Sweet Peas or Nasturtiums in bouquets.

We offer the improved strain of the large flowering kind. Pkt., 5c; oz., 25c.

Burbank's Crimson Flowering Escholtzia

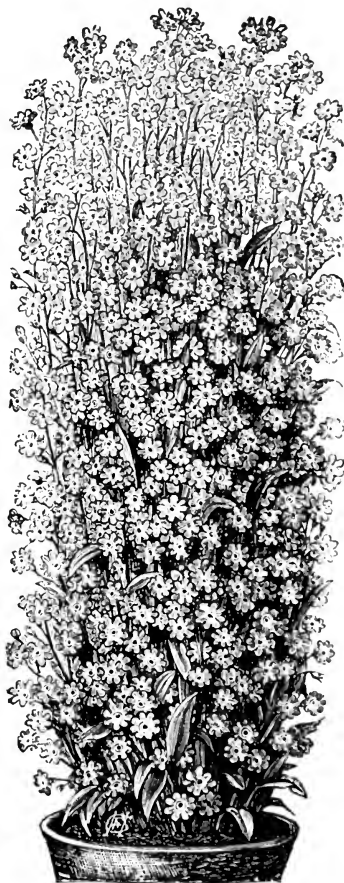
This was raised by selection for nine years from one of our common California "Poppies," which showed a thread of crimson on the inside of one of the petals.

A purplish-crimson shade on the outside of the base of the petals is nothing unusual, as seen in the well-known Mandarin and other strains, and even rarely in wild ones.

This strain has all been produced from one plant, first named above, by most rigid selection from season to season, until now the flowers are of a very clear, rosy crimson, very constant, freely produced, being a wholly new production greatly admired by all who have seen it.

The plants grow about one foot high and a foot or more across.

Pkt., 10c.



Forget-me-not.



Gourds

A tribe of climbers, with curiously-shaped fruit in various colors. Being of rapid growth, they are fine to cover old fences, trellises, stumps, etc. Do not plant the Seed till the danger of frost is over, and select rich, mellow ground. Tender annual climbers, 10 to 20 feet. Fine mixed, pkt., 5c; oz., 15c.

Hollyhock

One of our grandest summer and autumn flowering plants. For a background to a flower garden perhaps no plant is so useful. The flowers are as double as a rose, of many shades of color, from deep yellow, red, purple to pure white. Plant the Seed in June or July in open ground, the fol-

lowing summer they will bloom. If the Seed is sown very early in spring some will bloom the first season. Hardy perennial, 3 to 5 feet. Mixed, pkt., 5c.

Mammoth Fringed Hollyhock, Allegheny—The flowers of this grand variety are from 4 to 6 inches across, single, semi-double and double, finely fringed and curled. The colors are shell pink, rose and ruby red, crimson and maroon, a shade or two deeper at the center, and exquisitely tinted toward the edge. The blooming season is from June until frost. Choice mixed, pkt., 10c.

Heliotrope—Giant Hybrid—Highly valued for the fragrance of its flowers and duration of bloom. Succeeds in any rich, light soil out of doors, or for pot culture indoors. Easily grown from Seed, blooming first summer if sown early. The flowers of this variety are larger than those of the ordinary heliotrope. Pkt., 10c.

Helianthus, or Double Sunflower—Double Chrysanthemum flowered. This variety grows about six feet high and bears profusely all summer long. The perfectly double flowers are bright yellow and of many different sizes, from 3 to 6 inches in diameter. A row of these across our trial grounds this summer attracted great attention on account of the immense number of flowers always open and their bright yellow color. Pkt., 10c; oz., 20c.

Hyacinth Beans—Dolichos Lablar (Hyacinth Bean)—Splendid climbers with abundant clustered spikes of purple and white flowers, which are followed by exceedingly ornamental seed pods. It is of rapid growth and often runs 30 feet in a season. Height, 10 to 20 feet. Tender annual. Pkt., 5c.

Ice Plant—Handsome plant for baskets, rock work, vases and edgings. Leaves and stems appear as though covered with ice crystals; easily grown. Pkt., 5c.

Godetia—Dwarf Crimson Glow—This splendid new Godetia is the most brilliant, easily grown flower that we are sending out this year. It forms a compact bush about 9 inches high, completely covered with flowers of the most dazzling interior crimson. A bed of this variety produces a rival effect, the intensity of which it is impossible to describe. The picture will convey some idea of the splendid color, but to be fully appreciated it must be seen growing. Pkt., 10c; 2 pkts., 15c.

Godetia—Duchess of Albany—Color, satiny white; grows a trifle taller than Crimson Glow, and these two varieties planted in a bed are a wonderful contrast and very beautiful, and to secure the best effect should be planted that way. Pkt., 10c; 2 pkts., 15c.

Godetia—Best mixed. Pkt., 5c; oz., 25c.

IPOMAEA MIKADO

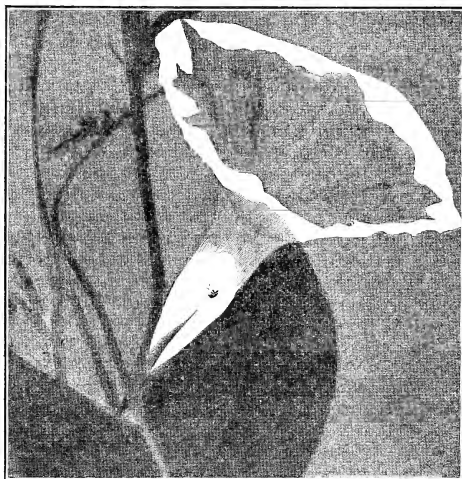
A new Japanese climbing vine, producing flowers measuring from 4 to 5 inches across, in the greatest variety of colors. The leaves are large, glossy dark green, and will grow to the height of 20 feet in a very short time. This is an especially good plant for trellis or covering porches, outbuildings or fences. Pkt., 15c.

Japanese Kudzu Vine

The most remarkable climbing vine of the age and should be planted by everyone for dense shade of porches, arbors or places where you wish to screen outbuildings. It comes from Japan, the land of the flowers and of the most curious vegetable production. The blossoms are large and borne in pinnacles like Wistaria, much larger in size and better clusters. Color purple, blossoms very freely and early. It requires but little care and its hardy nature commends it to all. Large pkt., 10c; 1 oz., 25c.



MANY-FLOWERED DOUBLE
SUNFLOWER.



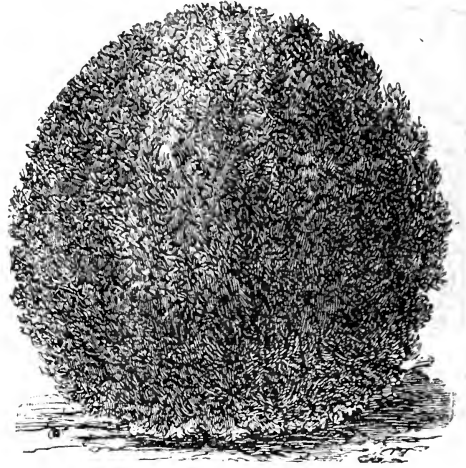
Kochia, or Summer Cypress—An easily grown annual about 3 feet high. Throughout the summer it is a beautiful green, but turns to a bright red in autumn. It is of perfectly rounded form, with very fine foliage and stems. Is used for ornamental exhibits or borders. Pkt., 5c.

Lobelia—Crystal Palace—A most excellent and useful plant for bedding. Compact, erect growth; flowers deep blue. Seed should be covered lightly. Pkt., 5c.

Lupinus Mixed—Deep blue Texas Lupin—Love-liest spikes of deepest sea blue flowers, delicate fragrance, easily grown and very satisfactory. Pkt., 5c.

Lychnis, Chalcedonica or Burning Star—One of the greatest hardy biennials, which grow and bloom year after year, requiring no protection and easily started. Color brilliant scarlet. Pkt., 5c.

Linum or Scarlet Flax—One of the most showy annuals for flower beds and masses. Brilliant crimson-scarlet flowers, 1 inch across, borne in wonderful profusion. Pkt., 5c; oz., 25c.



Kochia

Annual Varieties

Beautiful plants. They prefer a cool soil and season. Sow Seed in fall, or early in spring. The branching varieties grow two feet high, and should stand eighteen inches apart. The annual varieties are very free bloomers, and produce large spikes of flowers, white, pink, rose, light blue, dark blue and violet. In some varieties the flowers are double, in others single. The beautiful plume-like foliage is very ornamental, and the whole series are excellent for bouquets and table decorations

Double Rocket—One foot in height, mixed colors. Pkt., 5c; oz., 25c.

Perennial Varieties

The perennial Larkspurs are valuable plants. Foliage clean and pretty; habit strong and good; flowering branches of some varieties often four feet high; flower spikes 6 inches or more in length. Propagated by division of roots and from seed. Sow Seed in open ground, early in spring, and strong plants will be produced by fall that will flower the next spring, some of them the first season.

New Large-Flowering Hybrids—Three to six feet high; flowers of various shades, very showy; finest varieties mixed. Pkt., 5c.

Mignonette

Seeds of Mignonette may be sown at any season, so that by having pots prepared at different times a succession of flowers can be secured. Seeds sown early in the garden will give flowers through the summer. Plant in a cool place and it will continue to bloom all through the fall. For winter blooming keep in a cool room till buds are formed and begin to show, then bring into a temperature not exceeding 50 degrees at night. Very few cultivate the Sweet Mignonette compared with the many that might show their love for this sweet little flower. Annual.

Sweet—A well-known fragrant plant. Pkt., 5c; oz., 15c.

Giant Pyramid—A mammoth variety. Pkt., 5c; oz., 20c.

Marigold

The African and French Marigolds are valuable for their flowers in autumn, and can be grown to advantage in little clumps with other plants in the front of shrubbery or in the garden border. The African varieties are the taller in growth, and produce large, self-colored blossoms. The French varieties are smaller, some of them being elegantly striped and spotted. The dwarf-growing kinds adapt themselves to spots where the taller varieties would be unsuitable. Seeds can be sown in a cold-frame or in a seed-bed in the open border, and the young plants transplanted late in the spring to where they are to remain. They succeed best in a light soil, with full exposure to the sun. Annual.

African Marigolds—Mixed varieties. Pkt., 5c; oz., 50c.

French Marigolds—Mixed. Pkt., 5c; oz., 50c.



Morning Glory

Tall Morning Glories

Fine Mixed—A great variety of colors of the popular old-fashioned Morning Glory. Pkt., 5c; oz., 10c.

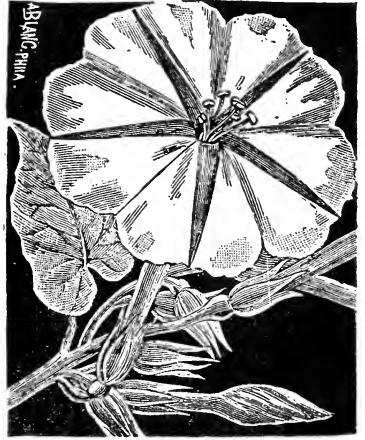
Impomea, Moon Flowers

Tender annuals of rapid growth, with beautiful and varied flowers; for covering old walls, trellises, arbors or stumps of trees they are invaluable; 15 to 20 feet.

Heavenly Blue—Flowers 4 to 5 inches across, in large clusters, produced in such abundance as to nearly hide the foliage; color a beautiful sky blue. Pkt., 10c.

Grandiflora—(Moon Flower)—One of the most showy of the annual climbers. A rapid growing vine, easily reaching a height of 25 to 30 feet during the season. At night and during the dull days the plants are covered with large, pure white, fragrant flowers, 5 to 6 inches in diameter. Pkt., 10c.

Moon Flower, Mixed, including blue, red and white. Pkt., 5c.



IMPERIAL MORNING GLORY

This is the new Japanese Morning Glory which grows so rapidly and produces such wonderful flowers. We regret that we are unable to show a photograph of it this year. Do not miss this wonderful new flower. Grows readily from seed. Pkt., 10c; 3 pkts., 25c.



NASTURTITIUMS

The Nasturtium is one of the popular flowers of the present time, and is continually growing in favor for the table, also for decorating the lawn and veranda. It is easily cultivated and can be used in great variety of places. Hardy annuals.

Tall or Trailing Nasturtiums

These are all of strong, vigorous growth and can be trained upon strings or wires, or for covering fences or trellis.

Sunlight—Flowers of the largest size are most beautifully colored. Clear rich golden yellow. In this you will find flowers measuring nearly three inches across and are produced most profusely. Pkt., 5c; oz., 10c; ¼ lb., 30c.

Midnight—Plants of extremely deep dark green foliage, flowers are a deep brownish red. The soft, velvety texture of petals are crumpled or partly folded. Pkt., 5c; oz., 10c; ¼ lb., 30c.

Tall Mixed—Including all of the above and hundreds of other varieties. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

Dwarf or Tom Thumb Nasturtiums

These are dwarf, compact, rounded growth, and like all Tom Thumbs succeed best on light, well drained soil, or in slightly raised beds. The Tom Thumb Nasturtium are much freer bloomers than any of the other varieties and are excellent for border plants.

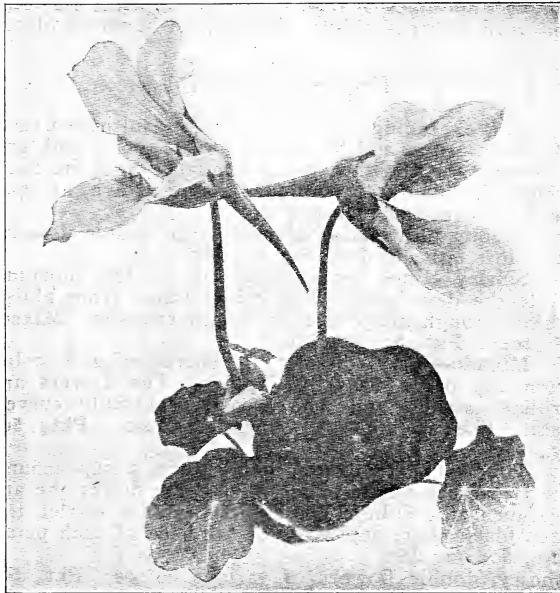
King Theodore—Dark foliage and flowers of a rich, velvety crimson. Pkt., 5c; oz., 10c; ¼ lb., 30c.

Empress of India—Deep purplish green leaves, flowers dark rich salmon-scarlet. Pkt., 5c; oz., 15c; ¼ lb., 40c.

Chameleon—It is unique in bearing flowers of quite distinct coloring on one and the same plant. It is one of the most brilliant and showy of all the dwarf nasturtiums. Pkt., 5c; oz., 10c.

Dwarf Pearl—This is a very pleasing, creamy white, free bloomer and a good plant. Pkg., 5c; oz., 10c.

Golden Cloth—Tall or climbing, scarlet flower with yellow foliage. Pkt., 5c; oz., 10c.



Tom Thumb Mixed—This mixture is composed of all the best Tom Thumbs and is remarkable both for brilliancy of color and perfection of individual flowers. The low price at which we are offering this Seed brings it within the reach of everyone, and it should be planted liberally. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

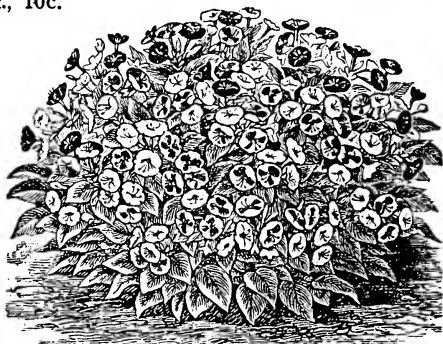


Pansies

One of the most interesting classes of flowers grown. A bed of Pansies in bloom always has something new for you in variety of color and marking, every time you visit it. Although they are in bloom continuously from spring until late in the fall, the flowers are much larger during the cool weather than through the heat of summer. The Seed may be sown in the hot-bed, in boxes in the house or in the open ground. If sown in the spring, get them in as early as possible so they will come into bloom before the hot, dry weather comes on. Seed sown in May or June will produce very fine flowers from August to winter. Sown later and slightly protected during the winter with leaves or other light litter, they will make good, strong blooming plants for early spring. Very best mixed. **Pkt., 5c.**

Trimardeau Giant Pansy

Giant Flowering—These include the best of the German Giant Pansies, ruffled edges and various colors. **Pkt., 10c.**



Petunia

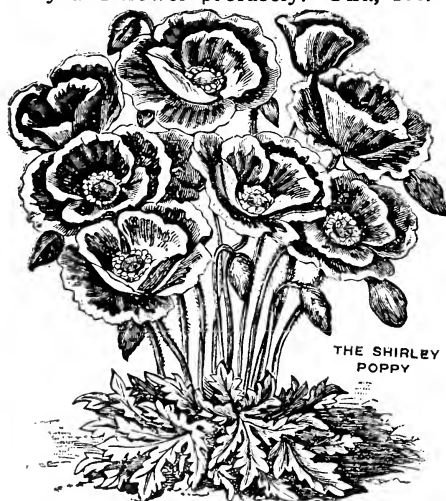
For outdoor decoration or house culture few plants are equal to this class. They commence flowering early and continue a mass of bloom throughout the whole season, until late in the fall; easily cultivated, requiring rich soil and a sunny situation.

Single Grandiflora—Choicest mixed Seed, saved from show flowers. Very large. **Pkt., 10c.**

Hybrida Striped Mixed—**Pkt., 5c.**

Howard's New Star—Each flower shows a large, distinct five-pointed white star on a bright crimson or purplish crimson ground. Late in the fall, when the weather becomes colder, the edges of the white star become feathery, with fine lines of rose and crimson, while on other flowers the entire white portion is suffused with soft rose pink. The plants begin to bloom early and flower profusely. **Pkt., 10c.**

Petunia.



Poppies, Annual

This exceedingly showy and easily cultivated class of plants grows and blooms in any ordinary soil, and is among the showiest of all annuals. Sow the Seed where the plants are intended to be grown, as they do not bear transplanting well.

Paeony-Flowered—Splendid large double flowers, all colors, mixed. **Pkt., 5c; oz., 20c.**

Shirley—Fine for cutting, cut in the morning while the dew is on. The colors range from bluish white through many tints to bright crimson. Mixed, $2\frac{1}{2}$ feet. **Pkt., 5c; oz., 25c.**

Mikado—Very distinct in character and color from any other class of Poppies. The flowers are brilliant scarlet and white, with beautifully curved petals like a Japanese Chrysanthemum. **Pkt., 5c; oz., 25c.**

Tulip—The two outer petals form a cup around the two erect center petals, giving the flower the appearance of a Tulip. The color is intense scarlet, the deep black spots appearing at the base of each petal. **Pkt., 5c; oz., 25c.**

Carnation Flowered—Brilliant, large showy, double flowers of various colors. **Pkt., 5c; oz., 20c.**

Double Mixed—Annual varieties. **Pkt., 5c; oz., 20c.**

Single Mixed—Annual varieties. **Pkt., 5c; oz., 20c.**

New Hardy Perennials, Oriental Red—This new race of Oriental Poppies when once planted continue blooming for several years without further trouble. The flowers often measure 6 inches across and are the most intense brilliant red. **Pkt., 10c.**

Phlox

For a splendid mass of colors and a constant display this is not excelled by any other annual, commencing to bloom quite early and continuing until severe freezing. The Phlox colors range from purest white to blood red or crimson. For masses of separate colors and for cutting for bouquets or vases are unsurpassed. The Seed may be planted in the open ground May 1st or in hot-bed or house earlier, and afterwards transplanted to where wanted. Give good, rich ground and set plants 8 to 10 inches apart each way. Hardy annuals; 1 foot.

Phlox Drummondii Grandiflora—Large flowered section. These are decided improvements over the old class, with much larger flowers, a better range of colors and of more compact growth. Choice mixed, all colors. Pkt., 5c; oz., 25c.

Star-Shaped Phlox—(Star of Quedlinburgh)—The most interesting of the Phlox family, bearing pretty star-shaped and fringed flowers, rich in colors, varying from violet blue to deep rose and blood red, margined with white. Starred and fringed; choice mixed. Pkt., 10c.

Phlox Drummondii Nana—This strain is of dwarf, compact habit, growing about six inches high; splendid for pot culture or for ribbon lines and for massing. Dwarf, in choicest mixtures. Pkt., 10c.

Portulaca

There is scarcely any flower in cultivation that makes such a dazzling display of beauty as a bed of many-hued brilliant colored Portulacas. They thrive best in a rather rich, light loam or sandy soil, and an exposed, sunny situation. Half-hardy annual.

Double Mixed—All colors. Pkt., 10c.

Single Mixed—All colors. Pkt., 5c.



Portulaca.



Ricinus or Castor Bean

The Ricinus has very ornamental foliage and beautiful showy fruit. Fine for the center of a bed, as it gives a magnificent semi-tropical appearance; or, planted thick, it makes a fine screen or hedge. Plant Seed in open, very rich, deep-spaded ground, in a dry situation, as soon as safe in spring. The common Castor Oil Bean is cultivated for the oil, and grows about 20 bushel per acre. Annual.

Cambodgensis—The finest dark-foliaged Ricinus. Leaves maroon; stem nearly black; fruit bronzy purple. Five feet. Pkt., 5c; oz., 15c.

Gibsoni Dwarf—This seldom grows over two or three feet high, making very showy plants with the very finest dark foliage. Pkt., 5c; oz., 15c.

SWEET PEAS FOR 1914

The crop of Sweet Pea seed for this season is the shortest in the history of the country. Most seedsmen this season will offer these in packages and ounces only. Owing to the acreage of Sweet Peas grown for us this past year being larger than ordinary we are able to offer some of the varieties in $\frac{1}{4}$ lb. and lb. lots. The seed will be the Gurney standard, but quantity is very short this season.

Sweet Peas

Of all the annual flowers, there are none that have come into popular favor over the entire world and have been improved so much in the last few years as the Sweet Peas, and it is marvelous the wonderful improvement that has been made in them. From a few ordinary colors of inferior small flowers they have, by careful selection and breeding, covered almost the entire range of colors and have produced flowers measuring over $2\frac{1}{2}$ inches across, and from the old-fashioned straight-edged type they have produced the ruffled and the butterfly Sweet Peas. The most easily grown of any of the annuals, blooming from early summer until killed by the heavy autumn frosts. No other flower equals them for cutting and few last as well. To bloom to their best the flowers should be cut every day, in the evening. By morning the vines will be entirely covered with the bright showy flowers. We are offering in the following list the very best selections of the late introductions.

The Countess Spencer Type

This new race of Sweet Peas is of the ruffled edge or butterfly type. They bear two to four flowers to the stem and often measure two inches across, and resemble in their best the orchid. We offer the latest production of this Countess Spencer type.



George Herbert.

Countess Spencer—A great large flower of the finest type and most beautiful coloring. It is immense in size, delicate in color and shades. Stems are unusually long, which makes it especially valuable for cut flowers. This variety varies in color. You will find white with pink edging, orange with pink, and light and dark pink. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.00.

George Herbert—(New Countess Spencer)—This variety is offered by us this year for the first time and is one of the new colors of the Countess Spencer type. Almost a self carmine, wavy standard, immense flowers, and wonderful bloomer. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c.

John Ingham—This is the deepest color existing in this great new race. Is a seedling of the Countess Spencer, having a large flower and beautiful form of its parent, with a much deeper color. It is a rich carmine in the standard and deep rosy pink in the wings. The rich, warm shade is both bright and pleasing. The flowers frequently measure two inches across and come generally four to a spray; of vigorous growth. The vines bloom profusely. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c.

Othello Spencer—Of immense size, of large drooping wings and large wavy standard, color deep rich maroon, very dark and adapted for many very attractive combinations. One of the best dark sweet peas. This variety is far superior to the English **Black Knight Spencer**. The long stems are thick and carry well either three or four fine blooms. It is a strong grower and flowers most profusely. Per pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c.

Kelway's Black Grandiflora

Kelway's Black was raised by Kelway & Sons, Logansport, England, and is a decided improvement on Black

Prince and Black Knight; in fact, it is the best in the blacks. We have a fine stock of well matured seed and undoubtedly the only stock of this variety in the United States. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 70c; 1 lb., \$2.00.

Standard Tall Sweet Peas

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.25.

These are the standard Sweet Peas from which all improvements have come, and in getting these new improved varieties they have improved this type until it would not be recognized by the Sweet Pea growers of ten years ago.

Honorable Mrs. E. Kenyon—Beautiful primrose color, a grand giant flower; really an improved Mrs. Eckford.

Extra Early Blanche Fairy—Pink and white; one week earlier than original Blanche Fairy.

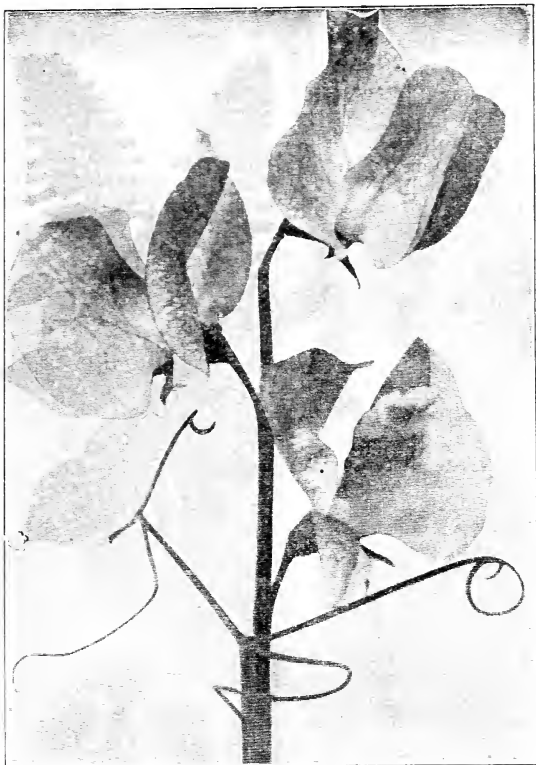
Dorothy Eckford—Pure white; of largest size and bearing six to eight on extra long, sound stems.

Sensation—Dainty blush color; one of the very best of recent introduction.

Black Michael—Bright, shiny, reddish maroon; rapid grower, early bloomer and one of the most showy.

Maid of Honor—White edged with light blue. One of the most unique and beautiful of the tall standard Sweet Peas.

Miss Willmott—New, richest orange pink shaded. This is a very good and very large sort, which we especially recommend.



Horace Wright.

lighter shade of blue, imparting an effective brightness to the whole flower. This is a great advantage in the indigo section, and will prove a telling variety on the show bench. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$1.75.

Henry Eckford—This extremely handsome and distinct flower has caused great excitement among lovers of Sweet Peas. Perfect in shape and size and unique in color. It has received recognition wherever shown. The color is described as an intense, bright, shiny orange self, quite unique and absolutely distinct. In shape the flower is perfect. Standard upright and expanded. True giant type, frequently measuring 2 inches across. The plant is wonderfully free flowering, robust, vigorous in growth and spreading. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 75c.

Standard Tall Sweet Peas

America—The brightest blood red striped with white. The most showy of all the variegated Sweet Peas. All above, pkt., 5c; oz., 15c.

Emily Henderson—The earliest of the large white flowering type. This is good clusters on long stems.

Mrs. J. Chamberlain—This is one of the most showy of all the Sweet Peas. Color, rose and white striped. Very long stem, good clusters and free bloomer.

Senator—Chocolate stripes on white ground; large size, long stem, three to five flowers.

Prince of Wales—A bright self-colored deep rose flower of grand size and beautiful form; frequently four to six on a stem.

Modesty—White, tinted pink, exceptionally good in this color.

Unique—Blue, striped with white; one of the very showy and odd Sweet Peas; has long stems and good clusters.

Price of all above varieties of tall Sweet Peas: Pkg., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; 1 lb., \$1.25.

Superb Mixture Tall Flowering Sweet Peas—We recognize the fact that a great portion of the growers of Sweet Peas are using them to cover unsightly fences, stumps, or for screens, and prefer mixed colors to one straight variety. To meet this demand we are introducing the Gurney's Superb Mixture, which contains Seed from hundreds of the best varieties, including every shade and color that you will get in the named varieties, and, wishing to have every one grow a line of these Peas, we have placed the price very low. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; $\frac{1}{2}$ lb., 50c; lb., \$1.00.

Sweet Pea Collections—We have put up from our very best varieties some $\frac{1}{4}$ -lb., $\frac{1}{2}$ -lb. and pound boxes of Sweet Pea Seed. They are of the choicest varieties, including the Spencer and Eckford type. The $\frac{1}{4}$ -lb. are put up in eight varieties, $\frac{1}{2}$ oz. to the package. The $\frac{1}{2}$ -lb. are put up in eight varieties, 1 oz. to the package. The pound boxes are put up in 1 oz. to the package. 16 packages. The $\frac{1}{4}$ -lb. sell for 70c; the $\frac{1}{2}$ -lb. for \$1.25 and the pound at \$2.25.

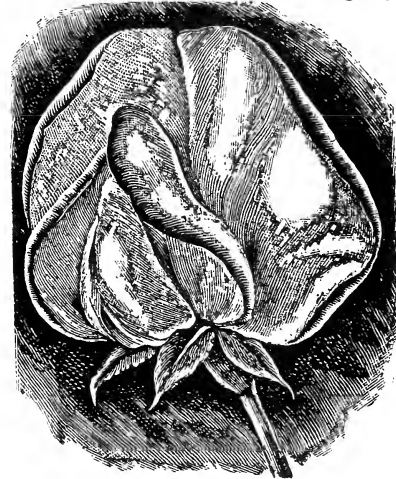
Eckford's New Sweet Peas

The Eckford Strain of Sweet Peas is as well-known in the flower seed world and as well appreciated as Livingston's name among the tomato growers, and is as much appreciated. Mr. Eckford has introduced nearly all of our improved varieties of the standard Sweet Peas.

Earl Cromer—A very delightful well-expanded flower. Crimson in color, the back of the standard being overlaid with a pleasing red chocolate. The inside of the standard and wings is shaded with soft lilac. The plant is a strong grower, producing the flowers on long, strong stems. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 75c.

Horace Wright—This is a color that stands quite alone, being an entirely new deep self-blue, but of such substance and brightness that for garden effect it is exceedingly telling and for show purposes is indispensable. The flowers are of expanded type and of giant size, borne on long, stout stems from 18 to 20 inches. The plant is a strong grower. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 75c.

David R. Williamson—This is a grand flower, with fine erect standards of bright indigo blue. The wings are of slightly



Salvia, Scarlet Sage

(Half-Hardy Annual.)

Splendens (Large-Flowered Scarlet Sage)—Under our hot summer sun this "flame-colored" beauty is the most gorgeous of all plants. For months the blaze of flaming scarlet is intensely brilliant with great spikes of bloom, completely concealing the foliage. A single plant will carry as many as 200 spikes of flowers, each 10 inches long. Pkt., 10c; $\frac{1}{4}$ oz., 50c.

Salvia Volcano

Of all varieties of Salvia cultivated this is undoubtedly the most satisfactory and finest of them all. It grows about 20 inches high, pyramidal form, and is a mass of extra long racemes of fiery red, trumped-shaped flowers. It is the earliest Salvia of any. Seed planted in the open ground will bloom by July 1st, and continue until frost. The plants may be taken up from the open ground before frost and will bloom continuously in the house through the winter. It is easily grown from seed and comes true to name. For earlier flowers they should be planted in a hot-bed and given same care as cabbage or tomatoes. Do not plant outdoors until danger of frost is over. Pkt., 10c; oz., 60c.



Stocks, Gilly Flowers

The Ten Weeks Stocks are generally cultivated, and bloom from 10 to 12 weeks after being sown; they grow from 6 to 18 inches high, and when grown in light, rich soil they bear an immense quantity of bloom, each plant forming a perfect bouquet of delightful fragrance. Half-hardy annual.

Double Giant Perfection Ten Weeks—Tall, late flowering class. Choice mixed. Pkt., 5c.

Salpiglossis

Grandiflora—This has long been one of our Favorite Flowers, but has never attained the popularity to which it is entitled. Nature can only paint its colors. It is a splendid half-hardy annual, with flowers of a peculiar richness, very delicately and beautifully penciled. Very effective in the sunlight, which brings out the beautiful tints and veinings. Unsurpassed for cutting. Plants about 2 feet in height. Mixed colors. Pkt., 5c.

Sweet William

The best varieties of Sweet William are of exceedingly beautiful colors, very large and almost perfect in form, with trusses of great size. Treatment as for Carnation. The plants are perfectly hardy, and may be increased by division of the roots. The colors pass from white to pink, crimson, carmine and purple, with distinct eye encircled with color differing from the rest of the flower, like Phlox or Verbenas. They make very durable cut flowers. It is well to raise new plants every year from seed, for old plants become debilitated and unsightly, and the flowers decrease in size.

Perfection—(Auricula-Flowered)—Single varieties, mixed. Pkt., 5c.

Dwarf Mixed—These seldom grow over 6 to 8 inches high. Profuse bloomers; excellent for borders or edging. Pkt., 5c.

Verbenas

Very few plants will make such a gorgeous display during the summer months as the Verbenas, or furnish more flowers for cutting. Start

Seed in the house or under glass early in the spring and transplant after 3 or 4 inches of growth. Good, healthy plants can be produced from seed as readily as almost any tender annual. They flower in July and continue strong and healthy until destroyed by frosts. Our stock today stands unrivaled.

Auricula-Flowered, or White-Eyed—Mixed colors. Pkt., 10c.

Mixed colors, pkt., 5c.



Salpiglossis

Zinnias

A showy, free-flowering, easily grown plant for the summer garden. The Seed can be sown early in hot-bed and transplanted or sown later in the open ground. Hardy annuals.

Tall Double Large-Flowered—A class too well known to need any description. Double choice mixed. Pkt., 5c.

Dwarf Mixed—Double Dahlia-like flowers of all the best colors. Pkt., 10c.

Double Lilliput—Compact bushes bearing small, perfectly double pompon-shaped flowers of bright colors. Pkt., 10c.



Wild Flower Garden

This is a combination of all the very best annuals. We recommend this for sowing in beds where you want a quick showing or bright colors that will last until frost comes. Also recommend it highly for mixture with Lawn Grass where making a new lawn. Do not sow in sod, as it would not be satisfactory to you. Sowed on new lawn, it gives you a fine showing of all the best annuals mixed with the green grass, where it pleases the eye and the little ones to see fine, bright flowers. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

Japanese Flower Garden

For several years we have been trying to secure from Japan a satisfactory collection of their wonderful flower seeds for planting in lawns and borders. We have secured it this year and believe that everyone ordering flower seed should include at least a package of this. It can be planted with lawn grass or in beds by itself, and will prove one of the most satisfactory flower seed investments of the season. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 70c.

BOOKS

| | |
|---|--------|
| Broom Corn and Brooms, 50 pages..... | \$0.50 |
| The Peanut Plant | .50 |
| Insects and Insecticides, 334 pages..... | 1.50 |
| Culinary Herbs, 141 pages..... | 1.00 |
| Bean Culture, 144 pages..... | .50 |
| Clover, 337 pages..... | 1.00 |
| Forage Crops, 287 pages..... | 1.00 |
| Mushrooms, by Falconer, 170 pages..... | 1.00 |
| Asparagus, by Hexamer, 174 pages..... | .50 |
| Silos, Ensilage and Silage, 100 pages..... | \$0.50 |
| Truck Farming in the South, 274 pages..... | 1.00 |
| The Farmer's Veterinarian, 288 pages..... | 1.50 |
| Irrigation for the Farm Garden and Orchard, 276 pages | 1.00 |
| American Cattle, Sheep and Swine Doctor, 367 pages | 2.00 |
| Profits in Poultry, 352 pages..... | 1.00 |
| Turkeys and How to Grow Them, 154 pages..... | 1.00 |

THE POTATO.

By Samuel Fraser. This book is destined to rank as a standard work upon Potato Culture. It is the most complete and authoritative book on the potato. 200 pages\$0.75

NORTHWESTERN POMOLOGY.

By C. W. Gurney. This book was written more than ten years ago, and in description of varieties will not be up to the times, but its chief value will never be lessened by years. It goes to the bottom of things, gives the "Whys and Wherefores." The principles underlying all plant and tree philosophy, and these principles do not change.....\$1.50

CABBAGE, CAULIFLOWER AND ALLIED VEGETABLES

By C. L. Allen. A practical treatise on the various types and varieties of cabbage, cauliflower, broccoli, Brussels sprouts, kale, collards and kohlrabi. Insects and fungi attacking this class of vegetables are given due attention. Illustrated. 126 pages.....\$0.50

SMALL FRUIT CULTURIST.

By Andrew S. Fuller. The book covers the ground of propagating, culture, varieties, packing for market, etc. 298 pages \$1.00 |

PLUMS AND PLUM CULTURE.

By Prof. F. A. Waugh. A complete manual on plums. Illustrated. 391 pages.....\$1.50

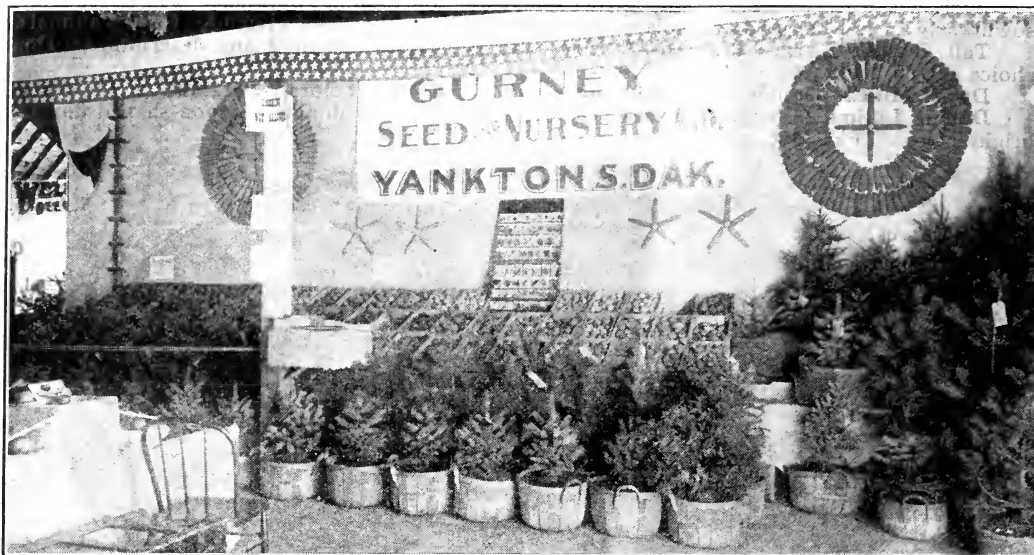
STRAWBERRY CULTURIST.

By Andrew S. Fuller. Containing all information necessary to enable everybody to raise their own strawberries \$0.25 |

THE BOOK ON ALFALFA.

Hon. F. D. Coburn's book on Alfalfa has been a profit revelation to thousands of farmers throughout the country; by far the most authoritative, complete and valuable work on this forage crop published anywhere. 336 pages \$2.00 |

NURSERY DEPARTMENT



OUR NURSERY AND SEED EXHIBIT AT THE SOUTH DAKOTA STATE FAIR
FALL OF 1912.

THIS EXHIBIT PROBABLY ATTRACTED MORE ATTENTION AT THE SOUTH DAKOTA STATE FAIR THAN ANY OTHER EXHIBIT SHOWN. WE HAD IN OUR EXHIBIT OVER 60 BOXES OF LARGE RED DAKOTA GROWN APPLES THAT WERE EQUAL TO ANY GROWN IN ANY OTHER SECTION OF THE UNITED STATES. IN QUALITY THEY ARE SUPERIOR TO MOST AND ALL GROWN ON TREES SOLD BY THE GURNEYS.

Free From Dangerous Insects and Disease

Our nurseries are inspected by the state inspector each year and we have his certificate showing freedom from insects and disease.

Packing will be done in the best manner with proper packing material and every order boxed or made into a neat bale, burlapped and encased in straw.

Terms—Orders will be booked as soon as received, but cash must be sent before shipment. Stock will be sent C. O. D. if wished, if one-third cash is advanced. Privileges of examination always allowed.

If anything appears wrong with trees or package, notice should be mailed or wired to us immediately.

Quantities Ordered—One to 9 at single rates; 10 to 49 at 10 rates; 50 to 499 at 100 rates; 500 and up at 1,000 rates.

Instructions—With each order will be sent a pamphlet giving full directions for the proper care and handling of everything sent out.

"Experience" is said to "teach a dear school." We have had a long experience in the school and what we have learned at the greatest cost may be yours for the asking. Write what your conditions are, soil, exposure, surroundings; write and tell us what you want and you will receive a prompt answer with all attainable information. **You do not have to buy anything to get the benefit of this offer.**

Shipping—We have the Great Northern, North-Western and Milwaukee railroads, and the Great Northern, Wells-Fargo and American Express companies. We will ship by mail, express or freight, as directed, but where no directions are given we will use our best judgment.

If ordered by mail add one cent for every two ounces.

The minimum charge by freight is 25 cents within the State and 40 cents on interstate packages. By express the minimum is 35 cents except such light packages as would be made available.

If ordered by mail or prepaid express be sure and send cash to cover same.

Prepay Stations. Some stations are called "prepaid," as the company has no agent there. In such cases cash must be sent to prepay freight or express, and if too much is sent it will be returned when we know the amount.

By Express—Many, if not most, of our customers make a mistake in ordering shipped "by freight." While they may save a few cents over expressage, the uncertainties which frequently require several trips to town only to be told by the agent: "No; no trees for you here yet," will many times more than balance the little saving. When sent by express you know just when they will be there. **Low express rates in South Dakota.**

By Mail—We had fine success last year sending small packages by mail and shall increase our Postoffice Department this year. This is especially good for long distances and where the railroad station is at a distance greater than the postoffice.

Last Spring we sent to Washington, Idaho and Montana many packages by mail and in some instances saved the purchaser several dollars. For instance, 1,000 small ash or elm can be shipped to any point in the United States for about 40 to 50 cents by mail.

Warrant—We guarantee everything sent out to be true to name and in good growing condition. If otherwise money will be refunded if requested, but all stock that fails to grow



Medal received by G. M. Finotti of Mission Hill, S. D., for next to largest apple exhibited at St. Louis Exposition. The variety, Wolf River; weight, 31 ounces; South Dakota grown. Trees planted by us 1893.

will, on application, after July 15th and before August 1st, be refurnished at one-half price the following spring or fall, provided instructions are followed. We make no other warrant.

The above contract to replace will not apply to seedling evergreens; small forest trees sold by the 100 or 1,000; nor to black raspberries or strawberries or Ponderosa pine of any size, nor to trees that have been sold again by the purchaser.

Premiums—For each order of \$25 or upwards we will send gratis a copy of "North-western Pomology," worth \$1.50. To those who have bought from us before we will allow credit for all bills so bought. Thus, if you have heretofore bought \$20 worth, a further purchase of \$5 from us will entitle you to the book. This offer is only good till stock of books is exhausted.

Five Per Cent Off for Early Orders.

Early orders for nursery stock are more valuable to us than late ones, and we will, on all orders received before March 10th, allow you to add in stock 5% of the amount of your order. Thus, for \$20.00 you can buy \$21.00 worth of goods.

APPLE CROP VALUABLE

There is always a good demand for apples and small fruit, but it is first necessary to get the producer and the consumer together. It is because of the difficulty in accomplishing this that for years the larger part of the Yankton county apple crop has rotted upon the ground and the farmer has become convinced that there is no money in raising them. This summer the Gurney Seed and Nursery company has stepped in as a sort of a broker between the farmers here and the consumers in the northern part of this state and in North Dakota, and is marketing the large apple and plum crops to the advantage of all concerned. For the past few weeks the apple shipments have numbered several hundred bushels daily, which thus far have been of the earlier varieties only, but as the season advances and the later apples come into market this number will be increased. The crop of plums is also a promising one, but not as large as that of last year.

The *Press and Dakotan* speaks of this bit of enterprise, profitable to the producer and the broker alike, because it is the kind of enterprise this paper has advocated for many years. It is taking care of the things we already have. It is building up the industries already firmly fixed in our midst. It is making profitable one of the losing ventures of our community. In this direction, we believe lies true development and permanent success. We are glad to see a start being made along this line, which we consider best for this or any other community which desires to build for safety and permanency.

Black Walnuts

This is the one great nut-bearing and valuable for its wood tree that can be grown successfully in any part of the Northwest. We have a very large supply of trees—6-12 and 12-18 inch, grown from nuts produced here in South Dakota. Special prices will be made on these. You should plant at least 1,000 of them.

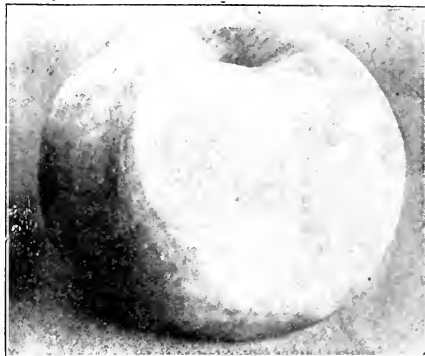
Description of Apples and Crab Apples

Varieties marked "First Hardiness" are good for as far north as you wish to plant. "Second Hardiness" for all points south of Huron, S. D. "Third Hardiness" for all points from Yankton south.

Anasim—Season, early winter. Prof. Hansen reports this Russian apple proving very valuable in the northwest; the tree is a strong grower and a prodigious bearer. The beautiful color of the fruit attracts favorable attention. Fruit below medium in size; surface, greenish yellow, covered almost wholly with a beautiful dark crimson. First hardiness.

Ben Davis—Late winter. The Ben Davis reigns over a much greater extent of country than does the Baldwin; it is unquestionably the leading commercial sort and the most popular apple grown south and west of the Baldwin region. It comes into bearing at an early age and usually bears annually and abundantly. Fruit above medium to large. Skin tough, waxy, bright, smooth, usually glossy, clear yellow or greenish, mottled and washed with bright red. Flesh whitish, slightly tinged with yellow, firm, moderately coarse, not very crisp, mildly sub-acid, good. Third hardiness.

Charlemoff—Early summer; a Russian variety of the Oldenburg type, imported for the Ames, Iowa, Agricultural College, by J. L. Budd. It does well to the extreme north; at its best it is a good dessert apple but has the fault of remaining in good condition for only a short time. It ripens earlier than the Duchess, comes into bearing young, and is a reliable cropper. First hardiness.



Anasim.



Duchess.

✓ **Duchess of Oldenburg**—Early summer; is one of the most valuable of the Russian apples, thus far introduced into this country; it is a good size and attractive in appearance. The fruit ripens in succession so that several pickings are required in order to secure the crop. This variety can be used when it is about half grown, and makes equally as good sauce or pie at that time as when thoroughly ripe, making the season probably the longest of any of the summer varieties, and fit for use earlier than any of the others. One of the heaviest yielding varieties grown. Color, pale greenish yellow, almost covered with regular splashes and stripes of bright red, mottled with crimson. First hardiness.

✓ **Gano**—Late winter. The description of the Ben Davis applies to this as it is of the Ben Davis type; it is held by some to be exact with Ben Davis or the Black Ben Davis. Third hardiness.

✓ **Hibernal**—September and October. A Russian variety which is proving very valuable in portions of the upper Mississippi and Missouri valleys on account of its ability to withstand the vigorous climate conditions of these regions. Prof. Hansen says that this variety represents what is probably the hardiest type of the Russian race of apples. Fruit large; surface greenish yellow with a dull bronze mixed red on sunny side, with a few dull crimson splashes. Flesh yellowish, crisp, tender, juicy; quality above medium. First hardiness.

✓ **Iowa Blush**—Winter; tree very rapid, spreading grower, comes into bearing as early as any of the winter apples, produces immense crops, very long lived; fruit below medium in size; quality very good. Season all winter. Color light green with blush on one side. Second hardiness.

✓ **Iowa Beauty**—Season mid-summer. This apple resembles the Duchess except that it comes on about two weeks later; is a little better looking apple for the market; the tree a little better grower than the Duchess and is very hardy; equal to the Duchess for hardiness. Apples of fair quality for dessert. First hardiness.

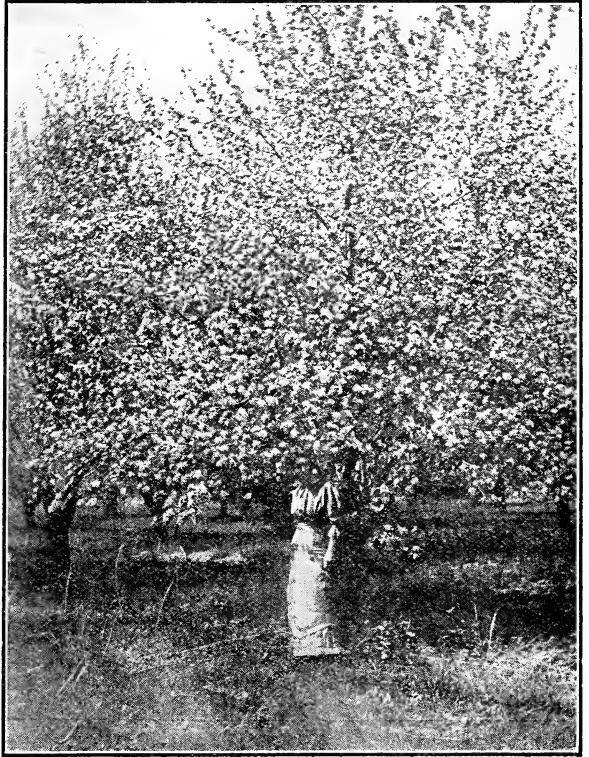
✓ **Jonathan**—Early winter. It is a very beautiful apple, of brilliant red color, highly flavored, and of excellent quality for either dessert or culinary use. Very hardy and productive, healthy and vigorous, and is adapted to a wider range of territory than most apples of this class. It is the great market apple of the west and south. Third hardiness.

✓ **Longfield**—Season, September and October. Fruit of Longfield medium size but decidedly attractive in appearance for a yellow apple, being clear waxen yellow, lightly brushed with bright red. Its flesh is white, crisp, fine, very tender and of the most pleasant quality. It can be classed among the fancy dessert apples. On account of the hardiness and productiveness of the tree and the beauty and quality of the fruit Longfield is recommended for planting in almost any section of the country. First hardiness.

✓ **Lawver**—Season, late winter. An attractive bright red apple, uniform in size and shape, is very firm, ships well and keeps late. Medium quality, irregular bearer, yielding some years extremely heavy crops, others light crops. Third hardiness.

✓ **Malinda**—Season, late winter. Fruit above medium to large. Skin rich yellow with dull red blush. Flesh yellowish-white, firm, juicy, very mild subacid, with sweet after-taste. Fair quality. First hardiness.

✓ **McIntosh Red**—Season, September to January. This variety belongs to the Fameuse or Snow Apple group; it is adapted to a much wider range than the Fameuse; the fruit is very attractive in appearance, of bright, deep red color, and good size. The flesh is very tender, perfumed and delicious. This is another of the great western and southern market apples. Thousands of acres of these are being planted in that section and are proving the most profitable of any of the orchard trees, especially in the west. Exceptionally heavy bearer at an early age. Second hardiness.



An Iowa Blush apple tree in bloom in the Withee orchard. Tree planted by us in 1892. Hundreds of bushels of fine apples from this orchard every year.

Billings, Mont., August 15, 1913.

Yours of 12th inst. came to hand, also the plums. I think they are very fine and am much pleased with their flavor. The trees that I have are doing fine and have made a good growth this summer and I hope to be able to get some plums next year from them.

P. B. MOSS.

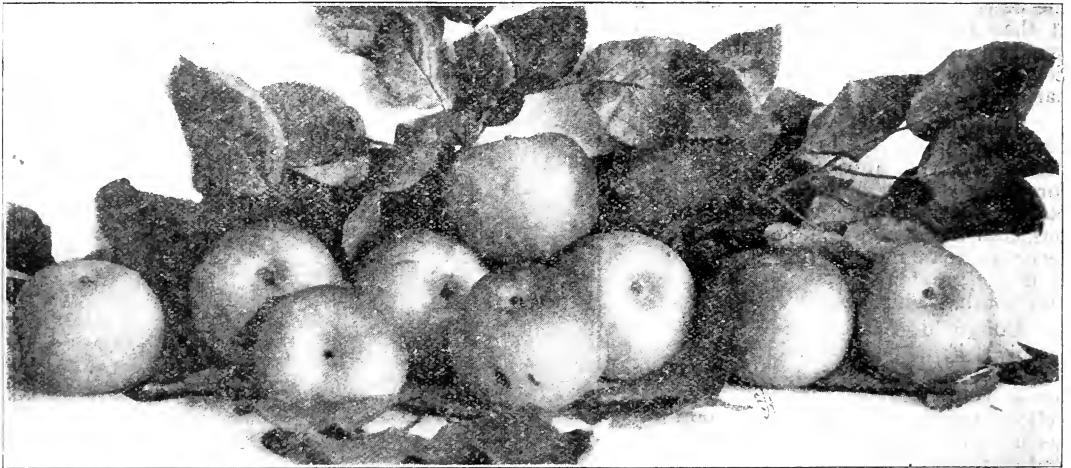
Northwestern Greening—Early winter. Very attractive in color for a green or yellow apple. It is much hardier than the Rhode Island Greening, and for that reason is valuable for the northern apple growing districts. Quality as a dessert apple is fair to good. The tree is hardy, vigorous, a fine erect grower, and comes into bearing reasonably early and as it grows older is an exceptionally heavy cropper. Skin smooth, somewhat waxy, clear pale yellow or greenish, sometimes faintly blushed. Flesh tinged with yellow, crisp and firm; mildly subacid, fair to good. Second hardiness.

Okabena—Fall apple. The Okabena is supposed to be a cross of the Duchess of Oldenburg and Wealthy; a very hardy apple, medium in size, fair to good quality. First hardiness.

Patten's Greening—Season, October to January. A seedling of Duchess of Oldenburg and on account of its hardiness and productiveness and the uniformly large size of its fruit is valuable in the northern portions of the apple growing regions of the country. It is grown as far north as the Canadian line, and in other regions where the winters are correspondingly severe. It is attractive in color for a green apple. Very good in quality; comes into bearing moderately young and is an annual cropper, yielding moderate to full crops. First hardiness.



A Plate of Northwestern Greenings; Good Tree; Good Fruit; Long Keeper.



Patten's Greening.

Peerless—Season, winter. An early variety of Minnesota origin, valuable far north. Greenish, thinly striped with dull red; firm, juicy, and good quality. Blight proof. Fair bearer but comes into bearing rather late. First hardiness.

Price's Sweet—Season, August to November. Very upright grower, early, and annual bearer of medium sized, excellent quality, green with red striped sweet apples. This is the best of all the sweet apples for the extreme north planting. In Yankton County it has produced more dollars per tree probably than any other apple excepting Wealthy and Duchess. Second hardiness.

Pewaukee—Fruit above medium to large, good yellow color, largely washed and mottled with red, splashed with dark carmine. This variety was produced by crossing the Duchess with Northern Spy. The tree comes into bearing rather early and is a reliable cropper, bearing biennially and sometimes annually; often yielding heavy crops. Flesh, nearly white, moderately firm, slightly coarse, tender, very juicy; fair to good. Season, winter. Third hardiness.

Plumb Cider—Season, mid-winter. Fruit is of good medium size, very attractive in color, yellow, shaded and splashed with red. Flesh of a greenish cast, firm, breaking, juicy, brisk subacid. Very good. Second hardiness.

Salome—Late winter. Fruit of medium size and attractive in color. Tree vigorous, very hardy, comes into bearing early and is a reliable cropper, yielding moderately to good crops nearly annually. Skin yellow, more or less mottled and blushed with pinkish-red, rather obscurely striped with carmine. Flesh tinged with yellow, moderately fine-grained, rather tender, juicy, good to very good. Second hardiness.

✓ **Scott's Winter**—Season, all winter. Fruit medium, of good form and attractive color. Tree is very hardy, healthy, comes into bearing young and is a reliable cropper, yielding moderate to heavy crops biennially. Skin smooth, tender, pale yellow with a bright red, mottled and striped with darker red. Highly colored specimens have a very dark and almost purplish-red cheek. Flesh slightly tinged with yellow, sometimes stained with red; firm, crisp, very juicy; quality good. Second hardness.

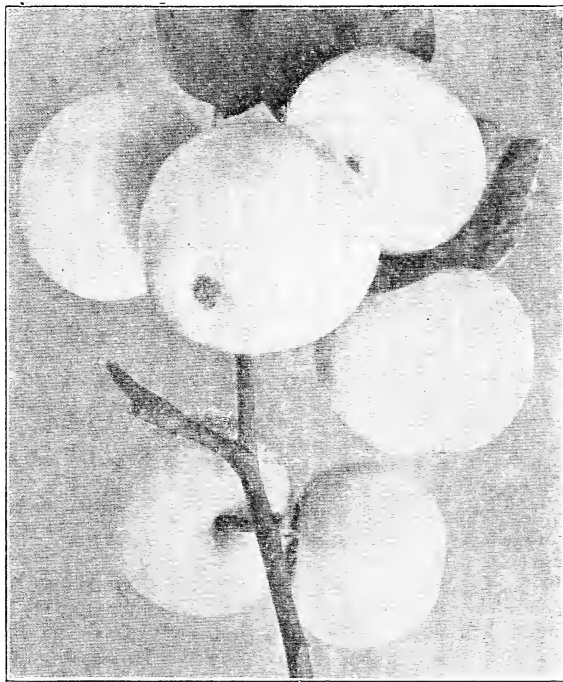
✓ **Utter Red**—Mid-winter. Tree of upright regular growth, forming a well-rounded head; healthy and productive. It is reasonably hardy and on this account has been grown to some extent in regions where standard varieties have not succeeded well. Originated in Wisconsin. Fruit above medium to large. Color pale yellow washed with orange red, and narrowly streaked with bright carmine. Flesh tinged with yellow, somewhat coarse, crisp, tender, juicy, subacid, pleasant flavor, good. Second hardness.

✓ **Wealthy**—Season, September to January. This variety we consider the most valuable of all of the market apples and for home use. The tree is exceptionally hardy, comes into bearing as early as the summer apples, producing immense crops annually, and we believe it is the most valuable apple today for the small or the large orchard. We have shipped this past season from Yankton County, thousands of bushels of Wealthy. This was originated by Peter M. Gideon, of Minnesota. Fruit above medium to large; color, underlaid with pale yellow, blushed and marked with stripes and splashes of red, deepening in highly colored specimens to brilliant red; very attractive. Flesh, whitish, tinged with red when thoroughly ripe. Moderately fine, crisp, tender and juicy, agreeably subacid; good to extra good. First hardness.

✓ **Walbridge**—Winter. One of the valuable winter apples. The tree is moderately vigorous, comes into bearing rather young and yields full crops biennially. Fruit medium to rather large, color clear yellow, splashed and distinctly marked with red cheek. Second hardness.

✓ **Wolf River**—Season, September to December. It resembles Alexander very closely in form, size and color. Prof. Hansen states that it is supposed to be a seedling of the Alexander which it resembles, but is more round and less conical. Strong, spreading grower, not an early bearer but productive in alternate years. Fruit large to extra large, in fact it produces the largest apple of any grown in this section of the country; specimens often weighing one and one-half to one and three-quarter pounds. Color, bright yellow mottled and blushed with bright deep red, and broad stripes of bright carmine. Flesh, slightly tinged with yellow, firm, coarse, tender, juicy, subacid, fair to good. $2\frac{1}{2}$ hardness.

✓ **Yellow Transparent**—Earliest summer. This is one of the best of the extra early apples, being excellent for culinary use and acceptable for dessert. It ripens earlier than the Early Harvest; fruit medium to large. Tree moderate grower, very hardy, healthy, comes into bearing very young. This variety was imported from Russia by the United States Department of Agriculture in 1870. Skin thin, tender, smooth, waxy, pale yellow changing to an attractive yellowish-white. Flesh white, tender, juicy with a pleasant but not high flavor; good to extra good. First hardness.



Yellow Transparent. Very Early Apple.

Dexter, Mo., December 22, 1913.

Please fill my enclosed order; postal money order enclosed to pay for it. I used to live in South Dakota and always got my seed of you; had such good success I thought I would try them down here. I live close to a good market and hope your seed will do as well with me here as in South Dakota.

C. M. BRADFORD.

Waterville, Me., December 22, 1913.

Yours with check received. Please accept our thanks for your generosity and count us among your patrons in the future.

GEORGE E. FILES.

CRAB APPLES

Briers Sweet—Season, September and October. Tree vigorous, hardy, comes into bearing young and is productive. Fruit pale yellow washed with lively red, striped with ermine. Flesh yellowish, fine-grained, juicy, pleasant, good in flavor and quality. First hardiness.

Florence—This variety is very desirable for commercial planting because the tree commences bearing very young, is a reliable cropper and extremely prolific. Fruit is of good size, very attractive in appearance and of good quality. Originated by Peter M. Gideon in Minnesota. Color, yellowish white, overspread with brilliant pinkish-red. Flesh tinged with yellow, crisp, tender, juicy, very brisk subacid; good. August and early September. First hardiness.

General Grant—Season, October to December. The tree is a spreading, irregular grower, producing immense quantities of good size, dark green crab apples overlaid with a red blush. Fruit borne in clusters. A good market crab apple. Quality fair. First hardiness.

Hyslop—Season, September and October. Fruit large, very brilliant color, dark red or purplish, overspread with thick blue bloom; borne in clusters. The tree is a good grower, very hardy, and a reliable cropper, yielding good crops annually. It is desirable for both home use and for market. First hardiness.

Jenkins — Season, August and September. This was a seedling tree grown by us and accidentally sold to a Mr. Jenkins of Dixon, Neb. It proved to be an enormous bearer of fruit, size and shape of Transcendent but of infinitely better quality. When ripe it is mellow and a delicious little dessert apple. We find it one of the best for pickles and preserves. First hardiness.



Jenkins Crab.

Martha—Fruit large, very handsome clear yellow, more or less overspread with bright red; excellent in flavor and quality. One of the best of its class for culinary purposes. Originated by Peter M. Gideon. Color pale yellow, almost entirely covered with an attractive bright light red overspread with bluish bloom. Very good in flavor and quality. First hardiness.

Soulard—This is a hybrid between the native Wild Crab and the common apple. It is a very desirable crab for several purposes. It is delicious baked, and makes excellent preserves, and one of the best for jams and jellies. The tree comes early into bearing, makes rapid growth while young, slower as it increases with age. Season, all winter. First hardiness.

Sweet Russets—Season, August and September. This is the best of all of the sweet crab apples. Fruit large, green, russet, with faint blush. It is the very best of its kind for eating from the tree, and especially for pickles and preserves. Very hardy, and regular bearer. First degree hardiness.

Transcendent—This tree should be discontinued by all nurserymen and fruit growers on account of its tendency to blight. Some states have prohibited planting it; we have discontinued growing it for a number of years. Do not order the Transcendent.

Virginia—Season, September to November. Fruit medium size, dark red and good quality. One of the hardiest, and very free from blight. A strong grower. This variety will produce fruit under more adverse conditions than any other tree we know of. First hardiness.

Whitney—Season August and September. One of the most popular of the large crab apples, particularly in the west and north; the fruit is attractive, yellow, striped with lively red, good for dessert and very good for canning. Tree is a thrifty, upright grower, comes into bearing very young and is extremely productive. First hardiness.

Yellow Siberian—Fruit medium size, clear pale yellow; an excellent Crab for pickles and preserves. Tree very hardy, healthy, comes into bearing very young. First hardiness.

PRICE LIST OF APPLES AND CRABS

| | Each | Per 10 | Per 100 |
|---------------------------|------|--------|---------|
| 1 yr. No. 1..... | 15c | \$1.25 | \$ 9.00 |
| 2 yr., 3-4 ft. | 17c | 1.50 | 10.00 |
| 2 yr., 4-5 ft. | 25c | 2.25 | 19.00 |
| 2 and 3 yr., 5-6 ft. | 30c | 2.75 | 22.00 |

To Make Trees Bear

If an apple tree of any size has a ring of bark taken from it below the branches from about June 20th to July 1st it will so shock the tree as to induce what Prof. Budd used to call "vegetable instinct." That is, the shock seems to suggest death to the tree and its instinct is to reproduce before death, and the spur buds are by that manner changed to fruit buds, which with favorable circumstances will produce fruit the next season. This ring of bark should be from one inch to one-fourth inch wide, according to size of tree, the wider ring for large trees.

Tree Protectors

The accompanying cut shows a tree protector in place. These are made of veneering about one-sixteenth of an inch thick and ten by twenty inches square. They must be soaked for a few minutes in water, then bent around the tree and secured by a string or wire. They are extremely valuable and almost a necessity as trees are ordinarily grown.

In placing them they should be nearly closed at the top to prevent mice from crawling over and getting inside. They protect from:

Borers, Mice, Rabbits, Sunscald and Bark Bursting.

Price, \$1.50 per Hundred.



APRICOTS

We have grown the apricot successfully along the river in South Dakota on the Nebraska side; we do not recommend it for trial north of this point. The Russian varieties are the only ones of any benefit for the extreme north, and we are growing these only.

Varities: Alexander, Alexis and Bardd.

| | Each | 10 |
|--------------|------|--------|
| 4-5 ft. | 40c | \$3.50 |

CHERRIES

| | Each | 10 | 100 |
|--|--------|--------|---------|
| One and two years, No. 1, 5 to 6 ft..... | \$0.30 | \$2.50 | \$20.00 |
| One and two years, No. 1, 4 to 5 ft..... | .25 | 2.00 | 16.00 |
| One and two years, No. 1, 3 to 4 ft..... | .20 | 1.75 | 14.00 |

✓ **Early Richmond**—More extensively planted than all others together. Best of all the Morello Cherries.

✓ **Wragg**—Almost identical with English Morello.

✓ **English Morello**—Late, large, black, astringent, sour, best for canning; very hardy in fruit bud. Subject to leaf mildew.

✓ **Ostheim**—Between English Morello and Early Richmond in season; excels them in quality of fruit for dessert.



Choke Cherry.—This is one of the best of our ornamental small trees. Absolutely hardy anywhere. Always symmetrical, and when in full bloom is a great bank of snow like the Snow-ball, with the added beauty of its nutty woodland fragrance, and later its rich, highly colored purplish black fruit. Our western dwarf varieties exceed all others in quality of fruit.

Warning—Do not drink milk after eating Choke Cherries; it is absolutely dangerous.

| | Each | 10 |
|----------------|--------|--------|
| 3 to 4 ft..... | \$0.15 | \$1.10 |
| 4 to 5 ft..... | .20 | 1.50 |
| 5 to 6 ft..... | .25 | 2.00 |

Sand Cherry—It is absolutely hardy and produces immense quantities of slightly astringent berries, about the size and shape of the Early Richmond Cherry. Bears young.

Sand Cherry,—Continued

This is an extremely valuable fruit as it is, and should be largely planted. Prof. Hansen has been for some years breeding this fruit, growing and selecting from tens of thousands of seedlings. He has made great progress, and has produced at least one valuable sort, "Sioux." This we offer in "Highbuds" only.

Sand Cherry. (Sold commonly as "Rocky Mountain Hybrid Cherry.")

Three years, 2 to 3 ft., bearing size. Each, 10c; 10, 90c; 100, \$8.00.

Sioux Sand Cherry (Highbuds) budded, about 2 feet up on Am. Plums, where it makes a round head and is strikingly handsome when in flower, leaf or loaded with large purple fruit. Stock limited. These are beautiful specimens and will fruit first year after planting. Price, each, 40c; 10 for \$3.50.

MULBERRY

The Mulberry is useful both as a shade tree, for hedge purposes, and for the immense quantity of fruit borne by it and on very small trees. We are listing the Russian Mulberry only as it is the hardiest of any. The fruit varies in color from jet black to a pure white and is excellent for canning with tart fruits like gooseberries, currants and plums, and all children believe that it is delicious to eat direct from the trees.

| | Each | 10 | 100 | 1,000 |
|-----------------------------|------|--------|---------|--------|
| 5 to 6 ft. | 25c | \$2.00 | \$16.00 | |
| 4 to 5 ft. | 20c | 1.75 | 13.00 | |
| 12 to 18 in. seedlings..... | 10c | .20 | .75 | \$5.00 |
| 6 to 12 in. | | | .50 | 4.00 |

PROF. HANSEN'S NEW HYBRID PLUMS

After another year's experience and careful observation of these new plums, we wish to say that we are more firmly convinced than ever that Prof. Hansen's Hybrid Plums will soon take the place of all of the other plums now used in every part of the United States. We find as the trees increase in size and age that they produce equally as large quantities of fruit and the fruit increases in size. Some of the varieties that produce small inferior fruit when they commence to bear at two years old, as the trees grow older the fruit has doubled in size; this is especially true of the Sansota and Cheresota; lots of specimens of these this season measured one and three-eighths inches through.

We believe that the Prof. Hansen plums were introduced before the originator really knew how valuable a fruit he had produced; we certainly have not realized it until the past season. We wish to reiterate all we said in the catalog in 1913 of the Hansen plums, and shall add a number of varieties this year as we have found them of much value.

Solomon said "there is nothing new under the sun." We are of the opinion that Solomon had not met Prof. Hansen of the Brookings College, nor seen his new plum productions. Had he seen Prof. Hansen or the plums he would never have made the above remark, because Prof. Hansen is strictly new. There never has been so great a wizard, nor any like him before; possibly there never will be again. He tackled the impossible and makes it possible. He teaches nature tricks that Dame Nature never knew before. He steals the size, beauty, keeping quality and tropical appearance of the tropical plum and with this valuable asset he goes out in the Bad Lands of western South Dakota and searches the hillside for the Wild Sand Cherry growing where nothing else will, standing a temperature of 40 to 50 degrees below zero, the howling blizzard, the almost tropical heat and the very light rainfall of summer, and still producing large quantities of fairly good, though very small fruit. He takes from the shrub its hardiness



Budding 250,000 Professor Hansen's New Plums at Our Walnut Grove Nursery, Yankton.

and fragrance and its small pits, and combines them with what he took from the tropical plums, and makes a fruit equal in size, beauty, shipping quality and tropical appearance of tree of the tropical fruit, and the hardiness, fragrance and small pits of the wild Sand Cherry. The trees of this cross produce fruit always the second year from the bud. In our grounds here at

Yankton this past season we picked from a two-year old **Opata** tree more than one-third bushel of fruit. This was not an unusual yield for that variety as there was a great many trees in the same row producing equally as large quantities. The **Hansen plums** commence to ripen July 20th; the **Sapa** and **Opata** commencing first, and ending up late in August with the fruit of the **Hanska** tribe. They are wonderful keepers. We packed in a small wooden box holding about one quart, a quantity of the **Hanska** and shipped them to **San Francisco, California**, with instructions to re-ship after sampling them, to New York City. We instructed New York in turn on receiving the package to sample the fruit, report its condition and re-ship to us. We are printing here the reports of the San Francisco and New York parties, and our report is that the fruit reaches us in reasonably fair condition. It was sixteen days in the mail, opened, inspected and repacked twice, and still reaches us in marketable shape. What would **Solomon** say if he could see the new **Hansen plums**? We are offering only such varieties as we have fruited here at **Yankton** in quantities, and know they are equal to any plum that has ever been offered and much better than anything that we have ever grown or seen before.

The general practice has been, where new fruit, shrubs, flowers or vegetables have been introduced or originated, to give them a number instead of a name. Numbers are not easily remembered in connection with various kinds of trees or plants, and Prof. Hansen realizing this, decided he would give his new fruit a name, and has selected for each of them a Sioux Indian word. The word or name in each case with these new plums was selected with reference to some peculiarity or characteristic of the plum to which he has given it. For instance: **Hanska** means tall, and refers to the very tall rapid growing **Hanska** tree.

Opata—(Sioux Indian for Bouquet), and might refer in several ways to the **Opata**. In



blooming time it is a gigantic bouquet of pure white flowers of the most exquisite fragrance. Again, when the fruit is ripe, combine the large leathery foliage and the dark purplish red fruit with blue bloom, it is indeed a bouquet at that time. This **Opata** plum is a cross of the **Dakota Sand Cherry** and the **Gold Plum**, a large Hybrid Japanese variety, originated by Luther Burbank and for which \$3,000 was paid when first introduced. The **Opata** is vigorous in growth, heading very low and of quite spreading habits. It forms fruit buds freely on one-year-old shoots in nursery and bears without exception the next year. The color of the flesh is green, flavor very pleasant, combining the spicy acids of the **Sand Cherry** with the rich sweetness of the **Gold Plum**. The plums of this type are the earliest of any to mature. On the 20th of July we were going through the Nursery at the noon hour and noticed some of the boys eating plums and were informed that the **Opatas** were ripe, and they had been using them as dessert for several days. We investigated and found the fruit was then in good condition for shipping and excellent for eating from the hand, but improved in quality the longer we left them on the tree. Some trees were not disturbed for more than two weeks after this date and the fruit was certainly most excellent. It does not drop readily from the tree; is free from rot and nearly immune to the sting of the **Curculio**. From this you can see it is an excellent market plum.



Opata—Two Years, Coming Three.

basket of them and set them in our office here and allowed it to stay there for more than one week; at the end of that time the plums were gone over carefully and not a discolored spot on any of them or any indication of decay. They had retained their peculiar fragrance to the end. The pits of the Skuya are exceptionally small. The size of the fruit on the young trees is not quite as large as the Kansaska, but of a larger size than most any of the American plums.

plum. We are showing here photographs of this plum taken in our nursery from the original trees purchased by us from the Brookings College. A single row containing nearly 500 of these trees which we purchased at \$1.00 each, were planted three feet apart in the row. The photographs which we show are only a fair average of the quantity of fruit produced on each of the trees. These trees were three years old. Notice the immense quantity of fruit and the large tropical appearance of the leaf.

Skuya—Sioux Indian for SWEET. This plum in our opinion is one of the plums that have come to stay no matter what may be produced later. It is a cross of the red June, a large early Japanese plum and the DeSota plum, which is known to practically everyone in the North who has ever grown plums. The color of the fruit is a very dark red and yellow, and is the most delicious for eating purposes of any plum we have ever tasted. It is an excellent keeper and shipper. In August when this plum ripens we took a half bushel



Opata—(Bouquet).

Sapa—Sioux Indian for BLACK. "As dark as the shades of evening ranked in the western heavens." Turning the branches of this tree back and exposing the long ropes of glossy black fruit to the rays of the sun, the background of the brown smooth bark and glossy dark green foliage, is certainly a pleasant sight and one to be remembered. This fruit is eatable and hangs on the tree for more than three weeks. When it first commences to mature the skin is dark green and the flesh of the royal purple. The color of the skin and flesh gradually changes until it is as black as the darkest midnight. The skin of this variety is especially tender and practically disappears with ordinary canning. This plum makes excellent preserves and jelly and of the finest quality for eating fresh from the tree.

Hanska—(Sioux Indian for TALL), and refers to the extraordinary rapid growth and symmetrical shape of the Hanska plum. The Hanska

does not come into bearing as early as those varieties containing Sand Cherry blood, but three and four year old trees in the nursery this past season were loaded with this most excellent fruit. The Hanska was produced by crossing a wild Northwestern plum—*Prunus Americana*—with the very large firm fleshed, fragrant apricot plum of China—*Prunus Simoni*—which is so very popular in all of the orchards of California.

Sapa—(Black)



Sapa—Two Years Coming Three



good qualities a plum could have and so few of the poor qualities, that we hardly think it worth while to mention them. The Hanska is a very large plum, a great many specimens measuring better than 1½ inches in diameter. It produces a plum of the best quality for eating from the tree, for canning, preserving, or making jelly. None of the California or native American plums compare with it in any way. In color it is a bright red with heavy blue bloom. In shape it resembles its male parent, the Apricot plum. To see this tree in the nursery, its tropical foliage, its limbs laden with the luscious reddish-blue fruit, to get on the lee side of it and catch its fragrance, is a pleasure that can only be exceeded by the actual eating of the fruit, and we invite you to come to the nursery this summer and participate with us in this pleasure. As a shipping plum no other plum compares with it.

As we have told you before in the general description of the Hansen plums, this is the variety we sent by mail from Yankton to San Jose, Cal., from San Jose to New York and from New York back to Yankton, and reached here in fairly good condition.

We have today received the box of Hanska Plums sent to us by mail on the 22nd inst., we have opened the package, eaten some of the fruit, repacked and remailed balance to New York as per your request. Plums opened in fine condition, are of extra good quality, and most pleasing fragrance. They should be great sellers.

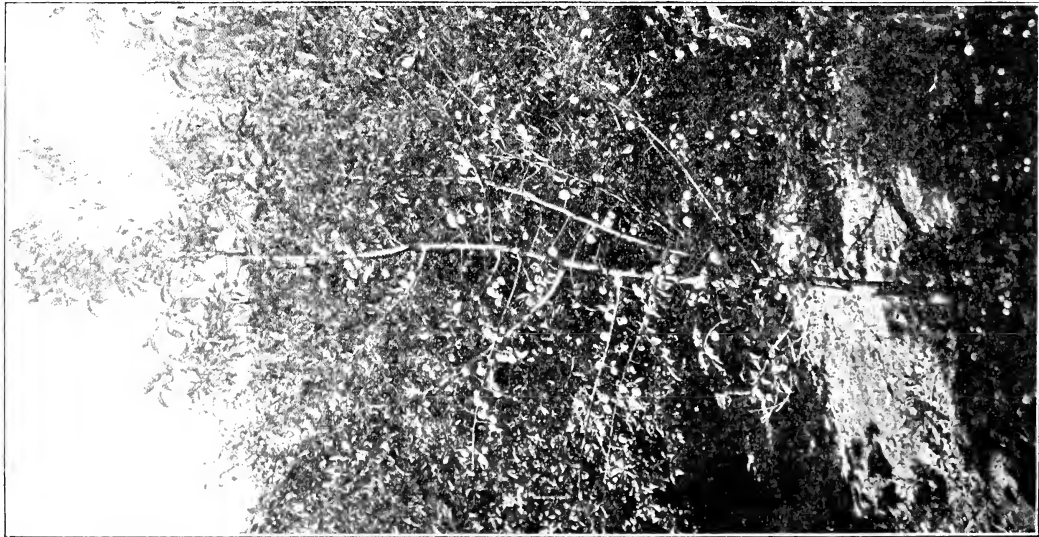
San Jose, Cal., August 26, 1912.

We beg to acknowledge receipt of your letter of August 22nd and to advise that the package of plums reached us by mail today. We opened them, sampled and took note of their condition. The plums were in a very good state of preservation. Some of them on the top of the box were a trifle soft but all eatable. Considering the distance they have traveled we think they are in a remarkably good state of preservation and still retain their fragrance. The flavor is unlike any we have ever tasted before and we think you ought to have very good success with them; we hope that you will. We have remailed the package today.

F. B. VANDERGRIFF & CO.

per N-E-HANSEN

I WANT EVERY FARMER TO PLANT SOME OF THESE PLUM TREES



A YANKTON HANSKA PLUM TREE IN FULL FRUIT
Just spring I purchased from Yankton, S. D. Gurney Seed & Nursery Company, Oshkosh, Wis. These have all made splendid growth and I am sure they will be greatly obliged.

Last spring I purchased from you one dozen each of the Cheresota, Sapa, Gistena, Opata and Hanska. These have all made splendid growth and I am wondering if they will need winter protection. If you will kindly give me this information I will be greatly obliged.

Note—It is not necessary to protect any of the Prof. Hansen plums anywhere in South or North Dakota or Minnesota.

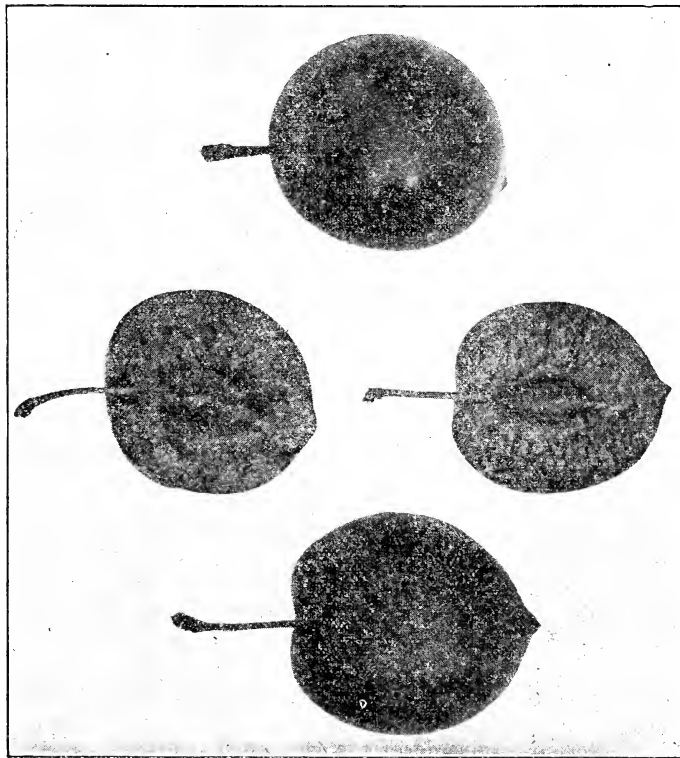
The plums have been received and they certainly have a fine fragrance and a fine flavor.

Bridgeport, Ind.

C. M. HOBBS & SON.

Sansota and Cheresota—We are listing these two varieties together as they are practically one and the same thing with the exception of the shape of the fruit. These two varieties of Cherry-plum crosses are a cross of the native Sand Cherry and the DeSota plum. They are practically of the same parentage as the Compass Cheresota, but much larger and better quality than the Compass. This is also a case where Professor Hansen failed to carry out the Sioux Indian naming of the fruit, but has used a com-

ination of the word Sand Cherry and DeSota and named them Sansota and Cheresota. The fruit of the Sansota is round, while the Cheresota is longish with a minute bristle or prickle at apex, which it inherits from the sand cherry. The size of this fruit is about 1 to 1½ inches in diameter, color a glossy black when ripe, flesh yellowish green, sprightly, pleasant; skin thin and free from acerbity. These Cheresota and Sansota bloom late in the season; consequently are seldom caught by frost and produce full crops of fruit each season. If their ripening season was at the same time as the Sapa and Opata, they would not be considered as worth propagating, but coming in as they do, immediately after the Sapa and Opata are gone, they are a very valuable fruit and fill in between these varieties and those maturing later. These fruits are marketable at a good price always; are excellent for canning, preserving or for jellies.



Cheresota



Sansota

Kaga

Of the same pedigree as the Hanska; ripens with us just a little earlier than the Hanska, seems to be a little larger and a little better quality than the Hanska. The fruit has occasionally cracked on the tree when we had extremely wet weather during the ripening period. We find this about one-quarter to one-half inch larger in diameter than the Hanska, and believe it will be one of the main market varieties as soon as well known. This is one of the very desirable shipping plums.

Pontiac, Mich.,

Dec. 16, 1913.

I have received your two checks, one for \$18 and one for \$20, for which I thank you. It must be gratifying to you that your seeds won the premium for largest and best collection of vegetables in Michigan State Fair with large competition for four years, but blood will tell. Hope I may be the successful winner next year.

A. WALLACE.



Wachampa

Prof. Hansen's description: "What shall we do for hardy cherries? This is one of my favorite problems but one still unsolved. The union of the Dakota Sand Cherry and the Sultan Plum gave us Sapa, Etopa and several others with a rich flesh and juice and cherry-like pit, will compare favorably with the purple-red flesh Sweet Cherries from California, but they run too large to be rated with Cherries. Shall they be called Cherries or Plums?"

"Another desirable seedling of the same pedigree as the Sapa and much like it but a stronger grower and with smaller fruit, about one inch in diameter, has proven a very heavy bearer in the past season on three-year-old trees transplanted at one year of age; it has been named Wachampa, Sioux Indian for 'Blood Cherry.' Size one to one and one-fourth inches in diameter, and much like the Sapa in every respect; it averages larger and more vigorous in tree, one of the strongest growing trees of the Sand Cherry hybrids. Trees one year old from bud bore a heavy crop the next season. The fruit keeps well after picking. This variety ripens after the Cheresota and Sansota, and fills in the space between the Sansota and the Kaga; for that reason it is one of the most valuable of the Hansen plums."



✓ Eyami

Prof. Hansen's description of this plum is: "Fruit round, one and three-sixteenths to one and five-sixteenths inch diameter; dark red, with semi-transparent skin; skin thin, flesh green, pleasant; pit large, inferior both to Sapa and Opata. Tree productive." This description is undoubtedly true of the Eyami as a young tree. We propagated a few of them and found that it was one of the very good varieties of the new production, and are propagating it much heavier, believing that it is at least equal to the Sapa and the Opata. We find that it ripens immediately after the Sapa and fills in a short period when the Sapas and Opatas are gone.

✓ Toka

Description: "I have some fifteen varieties of the same pedigree as Hanska, Inkpa and Kaga, all of which bore heavy crops when native plums were almost a total failure. They are all very much alike in character of fruit but differ somewhat in trees. In observing these seedlings closely in the nurseries I cannot help notice that some are spreading while others are very upright in habit, much like the Prunus Simoni itself; one is of such erect, strong stocky growth, really a model tree, that I deem it worthy of trial. My field notes state: Simoni habit in nursery; the nicest looking tree in nursery and orchard. Toka is the Sioux Indian for Adversary. An early and heavy bearer."

We find this fruit to measure from about one and one-half to one and seven-eighths inches in diameter, especially fragrant and of the very finest quality, and one of the best commercial plums of the Hansen tribe. This fruit has matured with us immediately after the Hanska, and by doing this has lengthened the bearing season quite considerably.

✓ Hansen's Native American Plums

In connection with the work of crossing the Sand Cherry, California fruits, etc., Prof. Hansen has been introducing a number of improved American plums. We say improved because we have these growing in our nursery in quantities; they have produced the fruit and we have used it in every way and find the three varieties which we are listing much better than any of the American plums we have ever grown heretofore.

✓ Wastesa, Sioux Indian Name for "Delicious"

This is State Fair Number 16, as these fruits were first sent out by number instead of name. We have fruited this at the nursery for three seasons and find the fruit larger than any of the American plums. Fruit of most excellent quality for eating it fresh from the tree, and as it is nearly a freestone is a very satisfactory plum for that purpose, but the main value of the Wastesa is in canning; we find this to be the best quality of any American plum ever canned by us, and should certainly be in every orchard. It is absolutely hardy.

✓ Yuteca, Sioux Indian Name for "To Refresh"

"South Dakota No. 8. Size very large, quality good, matures very early. This does not come into bearing as early as the Hansen Hybrids but is apparently a very long-lived tree, rapid grower, and bears an immense quantity of exceptionally large plums."

Free Fruit of the Hansen Plums

In order that all of you may know something of the value of these new productions, if you will state on your order when placing an order for any of these trees, that you would like samples of the fruit sent to you by mail, at ripening time in the summer of 1914, we shall be pleased to send you sample free of charge, and are glad to do this. We know you will like them even better than our description.

Free Information

In order to give all persons interested in the new Prof. Hansen's plums and cherries all the information possible, we have had a large number of copies of bulletins No. 130 printed and will be pleased to send these to anyone desiring them free of charge. They give you full information and description of the Hansen plums and cherries and are up to date. These are free for the asking.

Price List of Hansen Hybrids and Hansen Pure Native Plums

| | Each | Per 10 | Per 100 |
|----------------|--------|--------|---------|
| 3-4 feet | \$0.45 | \$4.00 | \$35.00 |
| 4-5 feet | .50 | 4.50 | 40.00 |
| 5-6 feet | .60 | 5.50 | 50.00 |

Cistena—The Sioux Indian name for "Baby." First introduced in the spring of 1909 as purple A, the cross of the Dakota sand cherry and the purple leafed plum of Persia. **Prunus Pissardi**, a beautiful shrub following the sand cherry in statue of plant and glossiness of leaf, but the foliage has the rich purple red color which gives its Persian sires such wide popularity. In my opinion the **Cistena** will win great favor. This is certainly a beautiful ornamental shrub, and one that should be planted in every garden or lawn. Price each 50c.

American Plums

Surprise—Fruit is very large, bright red. It may easily be mistaken at a few feet distance for a tree loaded with finely colored peaches.

Hawkeye—Very closely resembles the Quaker, a little later. I selected 21 fruits of these two varieties in '97, that filled a two-quart fruit jar. The largest measured 6 inches in circumference, none less than 5 7/8. These are the two best market plums for early.

Forest Garden—Strong grower, early and profuse bearer, perfection in fruit, except it is a poor keeper and shipper.

DeSota—Not handsome in fruit, but best in quality. Tree only moderate grower, inclined to overbear. Fruit should be thinned.

Wyant—Under good cultivation one of the best. Prof. Budd says, 1897: "The best of all for profit." Tree a straggling grower. Has not been troubled with "plum spot."

Wolf—This is at least as good as any for all purposes. Large, round, dull red, perfect free-stone and unexcelled for eating from the hand. It is only excelled in quality for culinary purposes by the DeSota and Surprise.

Terry—This was originated by Terry of Crescent, who has originated more good American plums than any man in America, and is considered his best. He named it "Free Silver," but sold it to a man who didn't train in that school, who very properly changed the name to its originator, "Terry."

Peaches—These are successfully and even profitably grown in central Minnesota by laying down and covering for winter. Prof. Budd says an acre can be so handled as easily as an acre of blackberries. My experience confirms it. We keep Bokara No. 3, Bailey and Crosby the three hardiest and best. Will endure ordinary winters unprotected. Hardier than any of the seedlings.

Prices of Plums or Peaches, Grafted or Budded

| | Each | 10 | 100 |
|--|--------|--------|---------|
| 3 to 4 feet | \$0.18 | \$1.70 | \$14.00 |
| 4 to 5 feet | .25 | 2.15 | 18.50 |
| 5 to 6 feet, extra heavy, 2 years old..... | .30 | 2.50 | 22.00 |

Tame Plum Seedlings at Our Walnut Grove Nursery

These Plum seedlings are grown from seed from the best American named Plums and generally produce Plums of very good quality, sometimes even better than the parent.

For Hedges, Plum Thickets, Driveways, in chicken or hogyards they do wonderfully well and produce quantities of fine fruit. For snow break you cannot plant any tree that is better or cheaper.

| | Each | 10 | 100 |
|--|--------|--------|---------|
| 3 to 4 feet | \$0.06 | \$0.50 | \$ 4.00 |
| 4 to 5 feet | .08 | .70 | 5.50 |
| 5 to 6 feet, extra heavy, 2 years old..... | .15 | 1.20 | 11.00 |



PEARS

We are showing here a photograph of a Flemish Beauty pear tree at the home of Mr. Neilson of Yankton county South Dakota; he has a number of trees all equally as well loaded in 1913 as the one shown in the photograph. Pears have been grown successfully in this part of the state for the last twenty years; we have trees in this county that are 30 years old and are producing immense crops of fruit almost every year. We would not advise pears even for trial north of Huron, S. D., but south of that point to nearly Yankton there are probably varieties that will produce good fruit, but along the Missouri River and south of here pears can be grown successfully and profitably. The pears grown here are of much better quality than those grown in any other part of the world, as people who saw the quantities we had of them at the State Fair in 1912 and 1913 can testify. We did not have them in small plates, but had them by the bushel, all grown in Yankton county. The varieties offered are Flemish Beauty, Keiffer and Garber.

| Price: | Each | Per 10 | Per 100 |
|----------------------|--------|--------|---------|
| 4-5 foot trees | \$0.30 | \$2.25 | \$20.00 |
| 5-6 foot trees | .35 | 2.75 | 24.00 |

QUINCE

It has never been considered possible to grow Quinces profitably, or even a few for home use, in the north. The Japan Quince listed ordinarily as a flowering shrub will produce a very large crop, almost every year, of medium size quinces of extra good quality suitable for all of the purposes that any quinces are used for. We advise planting a number of these both for the fruit and the beautiful flowers. Each 30c; 10, \$2.50.

SMALL FRUITS

Buffalo Berry—This is a very useful tree, growing from 5 to 15 feet high and with its silvery foliage resembles the Russian olive. Fruit is much like that of the Red Currant and it is used for the same purposes. Has no superior for hedging.

| | Each | 10 | 100 |
|---------------------------------|--------|--------|---------|
| Buffalo Berry, 2 to 3 feet..... | \$0.12 | \$1.00 | \$ 8.00 |
| Buffalo Berry, 3 to 4 feet..... | .15 | 1.25 | 10.00 |

BLACKBERRIES

We do not recommend Blackberries for any point north of Yankton in the prairie country, but they can be grown successfully in almost any part of Minnesota in the timber country, or south of this point, and can be grown successfully in a great many places in the timber country provided you have protection for them. We have seen large fields of Blackberries grown successfully and profitably by planting in cottonwood groves that have been thinned out either by nature or cutting out, leaving open spaces and planting the roots there and allowing them to grow wild. This method is worthy of trial in almost any section.

Stone's Hardy—This variety has been recommended as the hardiest of all, but we find that it is not equal to the Snyder in hardiness, and for that reason it should not be planted where the most hardy varieties are desired. Quality of the fruit is excellent. Each, 5c; 10 for 40c; 100, \$2.50; 500, \$8.00.

Mersereau—Remarkably strong grower, upright, producing stout, stocky canes. Claimed to be the hardiest blackberry, standing uninjured 20 degrees below zero without protection. An enormous producer of extra sized berries which are brilliant black and retain their color under all conditions; extra quality; sweet, rich, melting, without core. Unsurpassed as a shipper and keeper. Ripens with Snyder. 10c; 50c for 10; \$3.00 for 100; \$10.00 for 500.

Snyder—Undoubtedly the hardiest variety of the Blackberry; an abundant bearer, of good size, and good quality berries. Each, 5c; 10, 40c; 100, \$2.50; 500, \$8.00.

DEWBERRIES

Lucretia—We do not advise planting this unless you have sandy soil, as it does better on sand than on any other soil. This is a creeping plant and will often grow as much as ten to fifteen feet in one season. The vines should be trimmed back to about three feet for best results. The fruit is about three times the size of the Blackberry, very sweet, and for those having the proper land it is very desirable. Price: Each, 5c; 10, 50c; 100, \$2.50; 500, \$9.00.

CURRANTS

Very hardy, easily cultivated, standing neglect well and liberally responding to cultivation and generous treatment. Indispensable for table use, jellies, etc. No garden is complete without them, and large quantities are required for market. Varieties: Black Naples, Lee's Pro-
fic Black, Red Dutch, White Grape, Victoria, Cherry.

Price, 2-yr. No. 1: Each, 10c; 10, 80c; 100, \$6.00.

Currants—Special List

Pomona—This is a strong growing plant, producing medium large fruit, sweet and very fine quality, keeps well on bush; a vigorous grower and very productive.

Price, 2-yr. No. 1: Each, 12c; 10, \$1.00; 100, \$7.00.

Perfection—See colored plate inside back cover; also description last page of the catalog.

Two-yr. No. 1: Each, 20c; 10, \$1.50; 100, \$13.00.

GRAPES

There is hardly a yard so small or a farm so large but that there is room for a few to many hundred grape vines, and you can afford to give them a little attention, as nothing will respond more freely to care than will the grapes. Fruit is appreciated by all, and can be grown in practically every section of the United States. You can use them to cover unsightly buildings and fences; they will do this work and pay their way in fruit.

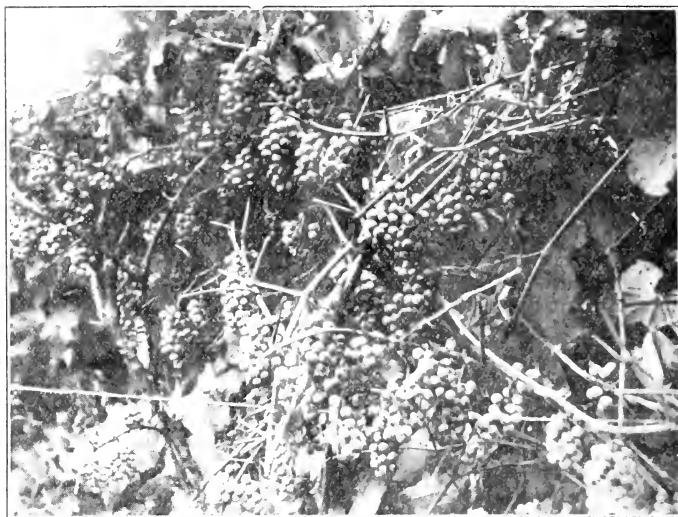
Wabeno, Wis., December 20, 1913.

Thank you most heartily for the bushel of Wisconsin No. 7 corn you sent us some time ago; it is well ripened and as hard as stone. If we can mature it here its value is more than should care to be responsible for.

L. W. PETERSON.

Beta Grape

Beta Grape — The people moving North regret the loss of their Grapes, which are wonderfully attractive and refreshing in the late summer. Many the heartache and sigh of disappointment when the housewife feels she cannot grow Grapes on her new homestead or northern home. The **Beta** changes all this, as they will grow readily in North Dakota without covering; not only grow, but produce as much fruit per vine as the large varieties in the East. Rapid growers often making a growth of 15 to 20 feet in a single season. Extremely valuable for covering summer houses, outbuildings or fences. We recognized the value of this new Grape when it was first introduced. Prof. Green, the greatest horticulturist and fruit growers' friend of Minnesota, introduced this Grape in the North, and we have seconded his effort to the best of our ability and are certainly proud of our success in getting it out among the growers and more proud of the success attained by the growers. It has made their home beautiful and produced immense quantities of fruit. **One year old, each, 20c; per ten, \$1.75; per 100, \$16.00; two year old, each, 25c; per ten, \$2.00; per 100, \$18.50.**



Grapes on Farm of Chas. F. Blacknick, Tabor, S. D.

- ✓ **Brighton**—One year No. 1. Pink, exquisite quality. Each, 15c; 10, \$1.25; 100, \$10.00.
 - ✓ **Clinton**—One year No. 1. Hardy. Only good grape for wine. Each, 15c; 10, \$1.25; 100, \$10.00.
 - ✓ **Campbell's Early**—One year No. 1. Large, black. Each, 15c; 10, \$1.25; 100, \$11.00.
 - ✓ **Concord**—One year, No. 1; best known, standard variety. Each, 10c; 10, 90c; 100, \$5.00.
 - ✓ **Delaware**—One year, No. 1, small, pink, delicious quality. Each, 10c; 10, 90c; 100, \$7.00.
 - ✓ **Moore's Early**—One year, No. 1, very hardy. Each, 10c; 10, 90c; 100, \$6.00.
 - ✓ **Janesville**—One year, No. 1; much like Clinton. Each, 12c; 10, \$1.00; 100, \$8.00.
 - ✓ **Worden**—Like Concord but earlier. Each, 10c; 10, 90c; 100, \$7.00.
- Two-year-olds of above variety 5c per plant more.

GOOSEBERRY

Plant in good rich soil and give liberal dressing of manure each season. Regular pruning every year is necessary for the production of good fruit. The Gooseberry will do better if partially shaded; plant them on the north of buildings, fence, or other trees. We advise mulching the gooseberries heavily, using old rotted straw for the purpose. All two-year No. 1.

Pearl—Medium, greenish; quality the very best; sweet enough for dessert when ripe; a desirable sort for market also. Bush a strong grower and very productive. Each 15c; 10, \$1.25; 100, \$9.00.

✓ **Downings** — Very large, pale green and of splendid quality for both cooking and table use; this variety is free from mildew. Each, 15c; 10, \$1.25; 100, \$9.00.

✓ **Houghton** — Medium size, pale green, sweet when thoroughly ripe; very spreading grower, and excellent bearer; the standard gooseberry. Each, 12c; 10, \$1.00; 100, \$6.00.



Downing

Blue Spruce

The most beautiful of all Evergreens for ornamental purposes. Generally high-priced but we have a wonderful stock of them of the most beautiful blue, and green specimens. Do not overlook this important tree.

Industry—An English variety of the largest size. Excellent flavor, pleasant and rich; dark red color when fully ripe. An upright grower, more like a small tree; an immense cropper. Less subject to mildew than most of the foreign varieties. Each, 20c; 10, \$1.50; 100, \$13.00.

Carrie—See colored plate inside back cover.

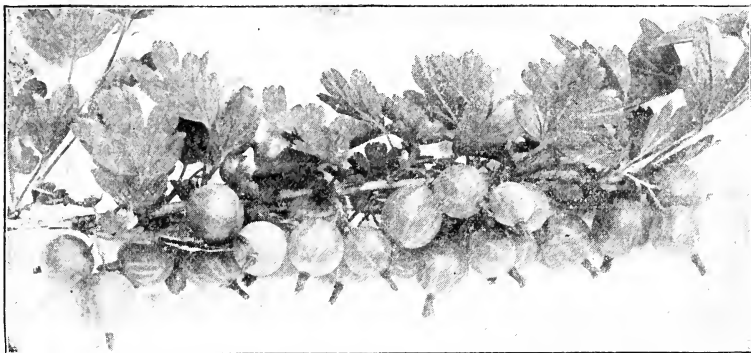
It is extremely vigorous and healthy in foliage. After growing

this for a number of years we have decided

that it is absolutely the best of all the American varieties. See inside back cover for description. Each, 25c; 10, \$2.25.

Dwarf Mountain Juneberry—There are several species of this valuable tree. Some grow to the height of 20 feet. They are variously called "Shadberry," "Serviceberry," "Juneberry," and some nurserymen are still advertising them as "Huckleberry," an order to which they are not in the slightest degree related. The kind that we offer grows but little over 3 to 4 feet in height, is enormously productive and hardy anywhere in the United States or Canada. This is the Jefferson strain and is best of all.

Dwarf Mountain. Each, 12c; 10 for \$1.00.



Houghton

RASPBERRIES

With the advent of the Sunbeam, the red berry can be grown successfully and profitably anywhere. The Black are not so hardy but can be grown almost any place if given a little protection like planting in an orchard or on the north side of and close up to a grove. Old wood should be cut out each season after the fruit is picked, to give more room for the new growth.

✓ **Sunbeam**—Absolutely the best red; see colored plate inside back cover and description on last page of catalog. Each, 10c; 10, 90c; 100, \$6.00.

✓ **Turner**—Old, standard variety. 10, 40c; 100, \$2.00.

✓ **King**—Pronounced the very best early Red Raspberry by many of the leading horticulturists in Minnesota; it is the great market berry of that country; probably more acreage of the King planted for market purposes than all others combined. 10, 40c; 100, \$2.00.

✓ **Minnetonka**—Red. Another standard berry in Minnesota. 10, 40c; 100, \$2.00.

✓ **Columbian**—Purple. This is an exceptionally large, purple berry resembling Schaffer's Coossal; it is very hardy and produces immense crops. 10, 50c; 100, \$2.25.

✓ **Gregg**—Black; for many years the leading standard best known market sort; very productive; large size. 10 for 50c; 100, \$2.25; 500, \$9.00.

✓ **Kansas**—Strong, vigorous, more hardy than the berries nearly the same size. 10 for 50c; 100, \$2.25; 500, \$9.00.

✓ **Cumberland**—A healthy, vigorous grower; fruit very large, firm, about the same quality as Gregg. Keep and ship as well as any of the blacks. The most profitable market berry. Each, 5c; 10, 40c; 100, \$2.00.



Picking Strawberries

STRAWBERRIES—The Great Big Kind

Do you know that strawberries can be produced on every farm or little town garden with as perfect success as we produce them here in our nursery. One hundred plants planted in a little town garden will produce all the fruit that a large family can use for fresh fruit and canning. This is not an extravagant statement, as it is done everywhere in every town in the country. On the farm we would plant more because we have more room. There is always a good market for them, and they are easily taken care of, and nothing so satisfactory as plenty of fresh strawberries in their season. The plants which we send you will be the large, healthy kind that will produce fruit.

For the ordinary farmer's home I would use nothing but staminate sorts. These bear without being mated with other kinds.

Dunlap is best of all the staminate, though Bederwood is good. Do not try to get too many varieties.

Shipping Strawberries—These must be gotten through fresh, and planted with as little delay as possible. To do this we adopt the following rules:

1. Where a general bill, including strawberries, is ordered from a nearby point where they can go by freight cheaper than by express, and as quickly, they will be sent in the same package, by freight.

2. When ordered by express they will all go in the same package, by express.

3. When ordered in a general bill, to go by freight to a distant point, strawberries will not be included, but will be shipped in all such cases by mail or express.

If you wish the strawberry plants shipped by mail, so advise us and add at the rate of 20 cents per 100 plants for postage.

All put up in bunches of twenty-five. Bunches will not be broken.

Varieties—Dunlap, Bederwood, Sample, Warfield, "The Big Four." The first two perfect plants; the others pistilates.

Price—25 for 35c; 100 for \$1.00; 1,000 for \$6.00.

Strawberry, Everbearing

We have given these Everbearing strawberries a thorough tryout and are cataloging them with the full understanding that they are all we claim for them. We have fruited them and picked fruit almost every day from mid-July until the plants froze up. In the fall when the first freezes came the plants were covered with bloom, green and ripe strawberries. There was not a day through the month of September that we failed to have plenty of strawberries. Price per 10, 75c; 50, \$3.50; 100, \$6.00.

Etterburg Strawberries

These are crosses of the Peruvian Beach or Sand Strawberry, the Cape Mendocino strawberry, California or Wood Strawberry, Wild Alpine Strawberry, the common American types of strawberries. We received a number of varieties or crosses of these plants, and they are most wonderful and luxuriant growers; the fruit seems to be more abundant than on the straight American varieties, and is of excellent size and quality. We are offering them only in small lots this year. Mr. Etterburg says of these strawberries: "The results that I have obtained by this original work that has been going on for 25 years have been the creation of strawberries of distinctly new and unique qualities, such as flavor, and berries of solid or **Clingcore** type; this type of berries gives the canner a strawberry that will not break up in the process of canning. The hull readily parts from the berry with little abrasion of tissue. The most noticeable difference is the heavy, leathery, heat-resistant foliage as different from that of the ordinary type of strawberry foliage as canvas is different from gingham. This type of foliage would make the plant drouth-resistant, but the root system of the plant is as remarkable as the part above ground. The results are that we have a type of berry that will thrive and produce abundantly under conditions of heat and drouth where all varieties of the ordinary type score a failure. Per 10 assorted crosses, \$1.00.

NEW BOHEMIAN HORSE RADISH—MALNER KREN

The Malner Kren Horse Radish roots were introduced by the U. S. Dept. of Agriculture; they are much earlier, and produce better than the ordinary sort. Roots grow larger, are whiter, and quality is far superior. All who grow horse radish should use this variety; we have discarded the old standard kind, as Malner Kren will outyield and is much more satisfactory in every way. Per 10, 60c; 25, \$1.25; 50, \$2.00.

ASPARAGUS

This much neglected, easily grown vegetable should find a place in every garden, whether on the farm or in town. You can grow such an immense quantity of it on so small a space that you certainly cannot afford to neglect it. Asparagus roots should be planted in a well-prepared bed, the roots covered about five or six inches, and the soil made very rich with fertilizer each season in order to produce the maximum amount of very large shoots. Asparagus should be cut for use at the top of the ground, and when it stands about three to five inches high; this gives you the best flavored and tenderest shoots you can get at any time. If planted in rows the plants should be about one foot apart in the row, and the rows far enough apart for cultivation. If in a bed in the garden, plant them about one foot apart each way and cultivate with the hoe.

Varieties: Conover's Colossal. A standard variety of large size; tender. 100 plants, \$1.00; per 1,000, \$5.00.

Palmetto—A very early variety, even, regular size. 100, \$1.00; 1,000, \$6.00.

RHUBARB OR PIE PLANT

If you could grow the ordinary farm crops as easily as you can rhubarb, you would simply plant the crop and take a vacation; this does not mean that you should neglect the rhubarb, as it responds readily to cultivation and gives you much better returns, but it will grow under almost any condition and in almost any kind of soil.

Linneaus—Large, early, tender and fine; we consider this the best of all. Large, whole roots, each 10c; 10, 75c; 100, \$4.00.

Delicacy—Originated in Germany; has round red stalks and red flesh; very tender; it has very few fibers, and its fine salmon red color when cooked brings the highest market price, and is the finest of all for table use. It can be cut practically all summer. Each, 25c; 5, \$1.00; 10, \$1.80.



NUT BEARING TREES

Almost every farm and garden contains some land that should be planted to nut trees adapted to the soil; probably no branch of tree cultivation pays larger profits or is as well assured of a profitable market for all products, the nuts in many cases paying better than farm crops or fruits, while most kinds are making a growth of valuable timber that will of itself pay a large per cent on the investment. The nuts that we list can be grown in almost any section of the country, I will say, with the exception of the chestnut, which should not be planted north of Yankton.

Butternut or White Walnut

A fine native tree producing a large, longish nut, which is prized for its sweet, oily, nutritious kernel. 2-3 ft., each, 20c; 10, \$1.75; 100, \$12.00; 1 year old, each 10c; 10, 75c; 100, \$4.00.

Chestnut

American Sweet; a valuable native tree, both useful and ornamental. 2-3 ft., each, 20c; 10, \$1.50; 100, \$12.00.

Hazel Nut

This forms a small growing bush and produces large quantities of nuts; it is perfectly hardy in any territory; does best if planted alongside of or in thin groves, or along creek banks in the natural timber. 2 yrs., each, 15c; 10, \$1.25. 1 yr., each, 12c; 10, 90c.

Horse Chestnut or Buckeye

The fruit of this is not eatable; the tree is a very beautiful, ornamental tree making almost a perfect globular top; it bears large quantities of flowers and large chestnuts. 2-3 ft. Each, 25c; 3-4 ft. Each, 35c; 4-5 ft. Each, 50c; 5-6 ft. Each, 60c.

Walnut, Black

This is the black walnut of commerce, produces probably the most valuable of any wood grown in the United States today; also produces large quantities of nuts which are marketable always at a good price. We grow these in immense quantities, having probably over one-half million of them for market this season. All of our walnuts are grown from the nuts produced here, so they are the hardiest that you can get.

| | Each | 10 | 100 | 1,000 | | Each | 10 | 100 | 1,000 |
|--------------|------|--------|--------|-------|----------------|------|------|--------|---------|
| 4-5 ft. | 25c | \$2.00 | .... | .... | 18-24 in. .... | .... | .... | \$2.50 | .... |
| 3-4 ft. | 15c | 1.50 | .... | .... | 12-18 in. .... | .... | .... | 1.75 | \$10.00 |
| 2-3 ft. | 5c | .50 | \$4.00 | .... |  |  |  |  |  |



Surrounded by Elm and Hackberry. Residence D. B. Gurney, at Yankton.

FOREST, SHADE AND ORNAMENTAL TREES

Ash

One of the hardiest of the hardwood varieties, medium rapid grower, and we advise the planting of these trees among the more rapid growing kind, like the Poplars, Cottonwoods, etc., with the expectation of eventually cutting down the softwood, rapid-growing trees and leaving the ash for the permanent hardwood grove.

| | Each | 10 | 100 | 1,000 | | Each | 10 | 100 | 1,000 |
|-------------------|--------|--------|--------|--------|------------------|--------|--------|---------|-------|
| 6 to 12 in. | \$... | \$... | \$0.50 | \$3.00 | Transplanted— | | | | |
| 12 to 18 in. | | | .75 | 5.00 | 5 to 6 ft. | \$0.15 | \$1.25 | \$10.00 | .... |
| 18 to 24 in. | | | 1.00 | 6.50 | 6 to 8 ft. | .25 | 2.00 | 18.00 | .... |
| 2 to 3 ft. | | | 2.00 | 18.00 | 8 to 10 ft. | .30 | 2.70 | 22.00 | .... |
| 3 to 4 ft. | | .35 | 3.00 | .... |  |  |  |  |  |
| 4 to 5 ft. | | .65 | 5.50 | .... |  |  |  |  |  |

Box Elder

Too well known to need description. This is a rapid growing tree, producing firewood of good quality about as quick as any tree will. Very hardy, and long-lived.

| | Each | 10 | 100 | 1,000 |
|------------------------|--------|--------|---------|--------|
| 3 in. cal'p. | \$1.00 | \$8.00 | .... | .... |
| 2 to 3 in. cal'p. | .70 | 6.50 | .... | .... |
| 10 to 12 ft. trans. | .60 | 5.75 | .... | .... |
| 8 to 10 ft., trans. | .45 | 4.00 | \$30.00 | .... |
| 5 to 6 ft., trans. | .15 | 1.25 | 10.00 | .... |
| 4 to 5 ft., trans. | .12 | 1.00 | 9.00 | .... |
| 3 to 4 ft., trans. | .... | .60 | 4.00 | .... |
| 2 to 3 ft. .... | .... | .... | 2.50 | .... |
| 12 to 18 in. .... | .... | .... | .90 | \$7.00 |
| 6 to 12 in. .... | .... | .... | .75 | 6.00 |

These large size
Box Elder are extra
fine and straight
and pruned high.

Basswood

One of the most beautiful deciduous trees grown; trunks always straight, the top almost a perfect globe; green leaves during the summer, changing to a bright yellow with the autumn; holds its leaves well beyond most other trees; very hardy.

| | Each | 10 |
|------------------------|--------|--------|
| 6 to 8 ft., trans..... | \$0.75 | \$6.50 |
| 5 to 6 ft., trans..... | .50 | 4.50 |
| 4 to 5 ft., trans..... | .40 | 3.50 |
| 3 to 4 ft..... | .25 | 2.00 |
| 2 to 3 ft..... | .20 | 1.75 |

Some prefer the European to the American variety.

Birch

| | Each | 10 |
|--|--------|--------|
| Birch, European or Am. White, 6 to 8 ft..... | \$0.35 | \$3.00 |
| Birch, European or Am. White, 5 to 6 ft..... | .30 | 2.75 |
| Birch, European or Am. White, 4 to 5 ft..... | .20 | 1.75 |
| Birch, European or Am. White, 3 to 4 ft..... | .15 | 1.25 |

Catalpa Speciosa

This is the hardy Catalpa of the north and the one that is sold by tree agents over the country as high as \$20 per 1,000 for the little fellows. In Yankton County there are some very large groves of the genuine Catalpa Speciosa, and in the city of Yankton there are a large number of the trees, some of them nearly two feet through. We procure all of our seed from the trees here in Yankton County and know they are the genuine Catalpa Speciosa, the valuable wooded variety, the kind that is used for railroad ties and that is hardier farther north than any other Catalpa. This is a very valuable tree and should be generally planted. It is one of the finest for ornamental or street purposes; grows very straight, rapidly, and its leaves measuring more than one foot across and its immense quantity of beautiful white flowers, dotted purple, give it its very tropical appearance. Our large sizes for ornamental purposes are transplanted and are very easy to make grow.

| | Each | 10 | 100 | 1,000 |
|------------------|--------|--------|--------|--------|
| 6 to 12 in..... | ..... | ..... | \$0.50 | \$4.00 |
| 12 to 18 in..... | ..... | ..... | .60 | 5.00 |
| 3 to 4 ft..... | \$0.10 | \$0.90 | 5.00 | ..... |
| 4 to 5 ft..... | .15 | 1.25 | 10.00 | ..... |
| 5 to 6 ft..... | .25 | 2.00 | 15.00 | ..... |
| 6 to 8 ft..... | .35 | 3.00 | 20.00 | ..... |
| 8 to 10 ft..... | .50 | 4.50 | 30.00 | ..... |

Catalpa Bungei

Umbrella Catalpa, grafted on the Catalpa Speciosa up about six to eight feet from the ground, makes a perfect, umbrella-shaped head without pruning; perfectly hardy, and flourishes in any section south of about Sioux Falls, S. D. We can also supply these grafted nearer the ground, making an exceedingly handsome dwarf specimen. 5-6 feet each \$1.00; 8-10 feet each \$1.25; dwarf, 3-4 feet, each \$1.00.

Caragana or Siberian Pea Tree

A very hardy, low growing tree from Siberia; excellent for hedge purposes, for snow breaks, or ornamental specimens. The trees in the spring are covered with racemes of yellow flowers, later forming pods like peas. The bark is light green in color, the foliage light green with silvery background. Very hardy tree.

| | Each | 10 | 100 |
|------------------|--------|--------|---------|
| 2 to 3 feet..... | \$0.08 | \$0.70 | \$ 6.00 |
| 3 to 4 feet..... | .10 | .90 | 8.00 |
| 4 to 5 feet..... | .15 | 1.20 | 10.00 |

Cottonwood

| | Each | 10 | 100 | 1,000 |
|-------------------------------|--------|--------|---------|--------|
| Cottonwood, 8 to 10 feet..... | \$0.30 | \$2.50 | \$20.00 | ..... |
| Cottonwood, 6 to 8 feet..... | .20 | 1.75 | 15.00 | ..... |
| Cottonwood, 5 to 6 feet..... | .10 | .90 | 7.50 | ..... |
| Cottonwood, 4 to 5 feet..... | .07 | .60 | 4.50 | ..... |
| Cottonwood, 3 to 4 feet..... | ... | .45 | 3.50 | ..... |
| Cottonwood, 2 to 3 feet..... | ... | ..... | .65 | \$4.50 |
| Cottonwood, 18 to 24 in..... | ... | ..... | .50 | 3.50 |
| Cottonwood, 12 to 18 in..... | ... | ..... | .35 | 2.00 |

Bird Cherry—Sometimes called Pin Cherry or Wild Red Cherry (*Prunus Pennsylvanica*). Everyone should have a few of these hardy and rapid growing trees. Indigenous to the highest altitudes and common in Black Hills. Grows rapidly, about as fast as Cottonwood; always balanced and symmetrical, and clean foliage, never affected by blight, rust, mildew or insects. A mass of white, fragrant blossoms in spring, followed by masses of crimson fruit, smaller than the Choke Cherry. Trees here six years old have a caliper of more than 3 inches.

| | Each | 10 | 100 | 1,000 |
|--|--------|--------|--------|-------|
| Cherry, wild, black, 2 to 3 ft..... | \$0.06 | \$0.50 | \$4.50 | ..... |
| Cherry, wild, black, 12 to 18 in..... | | | 2.50 | ..... |
| Cherry, wild, red, 3 to 4 in. cal'p... { | 1.75 | ..... | ..... | ..... |
| Cherry, wild, red, 2 to 3 in. cal'p... { Very best; | 1.00 | ..... | ..... | ..... |
| Cherry, wild, red, 8 to 10 ft..... { hardy, orna- | .50 | 4.00 | 30.00 | ..... |
| Cherry, wild, red, 6 to 8 ft..... { mental and | .25 | 2.25 | 20.00 | ..... |
| Cherry, wild, red, 5 to 6 ft., trans.. { fruit tree. } | .20 | 1.50 | 14.00 | ..... |
| Cherry, wild, red, 4 to 5 ft., trans.. { } | .15 | 1.25 | 10.00 | ..... |

Elm, American White

Elms are considered the very best of all the street trees, and are used in greater quantities than probably all other kinds or varieties combined. In planting the Elm, do not crowd them. They produce very fine trees, fine shaped heads, and live for centuries. All our largest sized Elms for ornamental or street purposes have been transplanted several times and are well rooted, nice straight trunks, with well formed heads.

| | Each | 10 | 100 | 1,000 |
|---|--------|---------|---------|--------|
| 3 to 4 in. cal'p trans..... | \$2.00 | \$18.00 | ..... | ..... |
| 2½ to 3 in. cal'p trans..... | 1.25 | 12.00 | ..... | ..... |
| 2 to 2½ in. cal'p trans..... | 1.00 | 9.00 | ..... | ..... |
| 10 to 12 ft. trans. Have car lots..... | .75 | 6.50 | \$55.00 | ..... |
| 8 to 10 ft. trans. Have car lots..... | .50 | 4.00 | 32.00 | ..... |
| 6 to 8 ft. trans... { Have larger Elm | .35 | 2.75 | 25.00 | ..... |
| 5 to 6 ft. trans... { than listed. | .25 | 2.00 | 16.00 | ..... |
| 4 to 5 ft. trans... { Write for prices. } | .20 | 1.50 | 12.00 | ..... |
| 3 to 4 ft. sd..... | | .60 | 4.00 | ..... |
| 2 to 3 ft. sd..... | | | 2.00 | ..... |
| 18 to 24 in. sd..... | | | .60 | \$5.00 |
| 12 to 18 in. sd..... | | | .40 | 3.50 |

Elm, corky bark, same price as White Elm (no trees under 6 ft.)

Hackberry

One of the very best of the ornamental trees, but very scarce. The Hackberry tree does not produce seed each season; in fact, sometimes it will run five or six years between crops of seed, consequently the nurseryman is never sure that he will be able to offer it any great length of time. In the fall of 1912 we had an excellent crop of Hackberry seed and the result is we have hundreds of thousands of the seedlings this season, which will be lined out next spring for shade tree purposes. This will supply us with Hackberries of large size in a very few years for ornamental purposes. In the meantime we have only these seedlings and a few trees 5-6 and 6-8 feet that were produced from seed of a few years ago. It would pay you well to purchase a few hundred of the 6-12 and 12-18 inch seedlings and line them out; nothing will make you a better shade tree or a better grove than a bunch of the Hackberries.

| | Each | 10 | 100 | 1,000 |
|----------------------------|--------|---------|--------|---------|
| 3 to 4 inch Caliper..... | \$2.00 | \$18.00 | ..... | ..... |
| 2½ to 3 inch Caliper..... | 1.75 | 15.50 | ..... | ..... |
| 1½ to 2½ inch Caliper..... | 1.25 | 11.00 | ..... | ..... |
| 8 to 10 feet | .75 | 7.00 | ..... | ..... |
| 6 to 8 feet..... | .50 | 4.50 | ..... | ..... |
| 5 to 6 feet..... | .40 | 3.75 | ..... | ..... |
| 18 to 24 inch..... | | .70 | \$2.50 | \$15.00 |
| 12 to 18 inch..... | | .60 | 1.80 | 10.00 |
| 8 to 12 inch | | .50 | 1.00 | 6.00 |

Horse Chestnut, White Flowering—The well-known European species; very handsome; has magnificent spikes of white flowers. As a lawn tree or for the street it has no superior. By mail, 25c; \$1.00 for 5; 5 to 6 ft., 60c; 10 for \$5.00; 6 to 8 ft., 75c; 10 for \$6.00.

Locust, Black

A native tree of large size and rapid growth. Flowers in long white racemes, very fragrant. Valuable for timber; like the Catalpa it is being largely planted for timber, posts, ties, etc.

| | Each | 10 | 100 | 1,000 |
|-----------------------|--------|--------|--------|--------|
| 5 to 6 ft. trans..... | \$0.20 | \$1.75 | ..... | ..... |
| 4 to 5 ft. trans..... | .15 | 1.25 | ..... | ..... |
| 3 to 4 ft..... | .08 | .75 | ..... | ..... |
| 12 to 18 in., sd..... | | | \$0.50 | \$4.00 |

Locust, Honey

Used for same purposes as Black Locust.

| | Each | 10 | 100 | 1,000 |
|------------------------|--------|--------|--------|--------|
| 5 to 6 ft. trans..... | \$0.25 | \$2.25 | ..... | ..... |
| 4 to 5 ft., trans..... | .20 | 1.75 | ..... | ..... |
| 3 to 4 ft..... | .15 | 1.50 | ..... | ..... |
| 12 to 18 sd..... | | | \$0.60 | \$4.50 |

Maple, Silver or Soft

This is probably the most rapid growing of any of the street trees; it apparently does not do well alone as a single specimen, especially in the north, where the wind can have full sweep at it. In towns it is one of the good shade trees and good street trees. If planted in groves in the country it does remarkably well and should be on every farm.

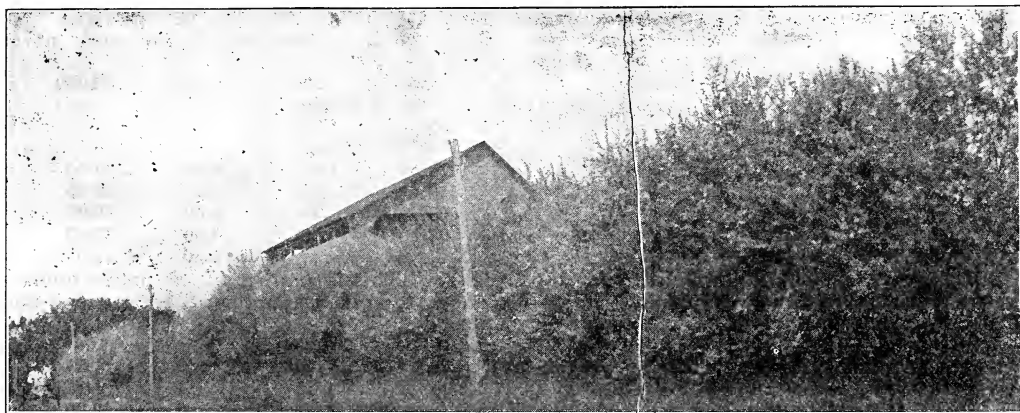
| | Each | 10 | 100 | 1,000 |
|---|--------|---------|---------|--------|
| 2½ to 3 in. cal'p trans..... | \$1.50 | \$12.00 | .... | .... |
| 2 to 2½ in. cal'p trans..... | 1.25 | 10.00 | .... | .... |
| 10 to 12 ft. trans..... | 1.00 | 7.50 | \$50.00 | .... |
| 8 to 10 ft. trans..... | .60 | 5.00 | 40.00 | .... |
| 6 to 8 ft. trans..... | .35 | 3.00 | 22.00 | .... |
| 5 to 6 ft. trans..... | .30 | 2.75 | 20.00 | .... |
| 4 to 5 ft. trans..... | .18 | 1.50 | 12.50 | .... |
| 2 to 3 ft. sd..... | .... | .45 | 4.00 | .... |
| 12 to 18 in. sd..... | .... | .... | .60 | \$4.50 |
| 8 to 12 in. sd..... | .... | .... | .40 | 2.75 |
| Maple, Guinela, 18 to 24 in. trans..... | .25 | .... | .... | .... |
| Maple, Norway, 2 to 3 ft. trans..... | .25 | .... | .... | .... |

Mountain Ash (European)—A fine hardy tree; head dense and regular, covered from July till winter with great clusters of bright red berries. 6 to 8 ft., 60c; 10 for \$5.00; 8 to 10 ft., 75c; 10 for \$6.00.

Mountain Ash, Oak-Leaved—Dark, lobed, oak-shaped leaves, downy beneath. Produces berries freely. 4 to 6 ft., 50c; 10 for \$5.00; 6 to 8 ft., 75c; 10 for \$6.00.

Russian Mulberry is one of the best snow breaks or windbreaks in the low-growing, bushy trees, but is probably not hardy farther north than Huron, S. D. The Russian Mulberry will stand a reasonable amount of trimming but its main value would be in letting it grow as it pleases without trying to make a tree of it, and let it produce a close, thin, low-growing hedge, producing an immense quantity of fruit of fairly good quality each season.

| | Each | 10 | 100 | 1000 |
|-----------------------|--------|--------|--------|--------|
| 5 to 6 ft. trans..... | \$0.25 | \$2.00 | .... | .... |
| 4 to 5 ft. trans..... | .20 | 1.75 | .... | .... |
| 12 to 18 in. sd..... | .... | .... | \$0.75 | \$5.50 |
| 6 to 12 in. sd..... | .... | .... | .60 | 4.00 |



Russian Olive Hedge Around College Athletic Park, Yankton College

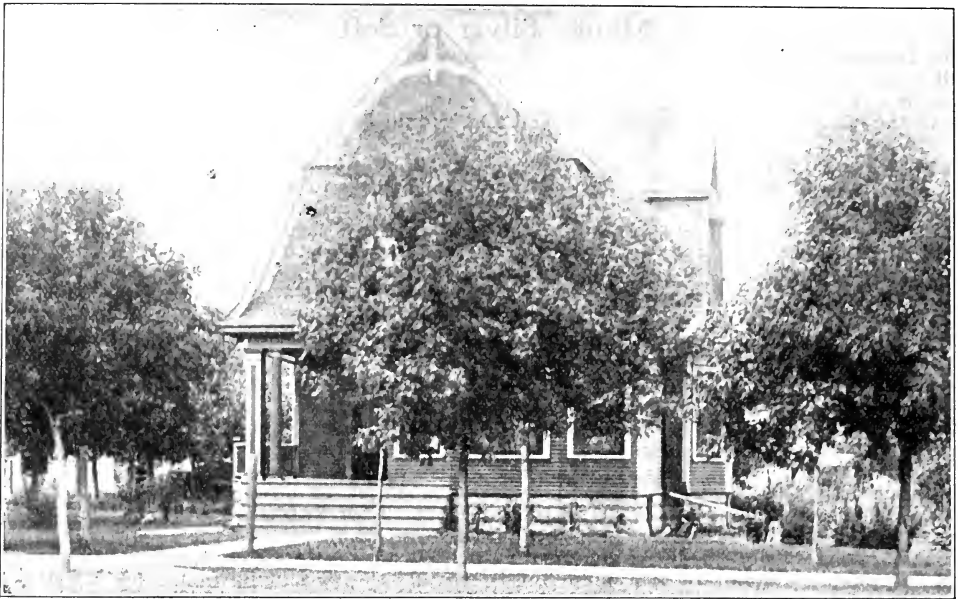
Russian Olive—This tree has won its way on its own merits to the very first place on the list for an absolutely hardy, dry-weather tree. In habit, when grown for a wind break, it is much like the White Willow, and grows nearly as fast. As grown isolated it makes a round topped, symmetrical tree. Foliage is silvery white, making a fine contrast and very beautiful tree for the lawn.

| | Each | 10 | 100 | 1000 |
|------------------|--------|--------|--------|---------|
| 18 to 24 in..... | .... | \$0.25 | \$2.00 | \$12.00 |
| 12 to 18 in..... | .... | .... | 1.50 | 9.00 |
| 8 to 12 in..... | .... | .... | 1.00 | 6.00 |
| 2 to 3 ft..... | \$0.10 | .90 | 7.00 | .... |
| 3 to 4 ft..... | .15 | 1.25 | 10.00 | .... |
| 4 to 5 ft..... | .25 | 2.00 | .... | .... |

Oak, Burr and Red

Everyone knows the Oak and the value of its timber. We have the Burr and the Red Oak, and everyone should plant some of these trees; they are easily transplanted.

| | Each | 10 | 100 |
|------------------|--------|--------|---------|
| 4 to 5 ft..... | \$0.30 | \$2.75 | \$25.00 |
| 3 to 4 ft..... | .20 | 2.00 | 18.00 |
| 2 to 3 ft..... | .10 | .90 | 7.00 |
| 18 to 24 in..... | .... | .60 | 4.00 |
| 12 to 18 in..... | .... | .50 | 3.00 |
| 8 to 12 in..... | .... | .40 | 2.00 |



Home of Mr. and Mrs. Ayers, Redfield, S. D.

Oldest trees 8 years old; some fruit trees bearing and, best of all, lots of flowers.
Stock was all from your nursery.

Mr. and Mrs. Ayers.

Carolina and Norway Poplar

We grow hundreds of thousands of these each year and they are known as the Sudden Saw Log. I have in the office here beside me while writing this a one-year-old tree grown from a cutting that is 12 feet and 6 inches high. It measures $1\frac{3}{4}$ inches through at the base. No other tree will produce this growth. It is very hardy and, unlike the Cottonwood, never bears seed and scatters their cottony seed pods around.

| | | Each | 10 | 100 | 1000 |
|------------------|--|--------|---------|--------|---------|
| 3 in. cal'p..... | Norway Poplar same price as Carolina | \$1.10 | \$10.00 | .... | .... |
| 10 to 12 ft..... | | .50 | 4.75 | .... | .... |
| 8 to 10 ft..... | | .35 | 3.00 | .... | .... |
| 6 to 8 ft..... | | .20 | 1.50 | \$8.00 | \$60.00 |
| 5 to 6 ft..... | | .10 | .90 | 7.00 | 50.00 |
| 4 to 5 ft..... | | .08 | .70 | 5.00 | 40.00 |
| 3 to 4 ft..... | | .06 | .50 | 4.00 | 30.00 |
| 2 to 3 ft..... |  | .... | .... | 2.50 | 18.00 |

Silver-Leaved Poplar—Known also as "Silver Maple." This is another of the native poplars that should be more generally planted. It will make cord wood faster than a cottonwood and will do its own propagating, as it is an immense sprouter.

| | Each | 10 |
|----------------|--------|--------|
| 6 to 8 ft..... | \$0.40 | \$3.50 |
| 5 to 6 ft..... | .35 | 2.75 |
| 4 to 5 ft..... | .25 | 2.00 |
| 3 to 4 ft..... | .20 | 1.50 |

Ptelia Trifoliata—This is a hardy, low growing tree, about same as Mountain Ash, but is harder and more ornamental, if we except the red berries in fall and winter. Leaves arranged in triplets, as its name implies, and all admire their beautiful varnished sheen. This we received originally from the Minnesota Agricultural College.

| | Each | 10 |
|-----------------------|--------|--------|
| 5 to 6 ft. trans..... | \$0.30 | \$2.75 |
| 4 to 5 ft. trans..... | .25 | 2.00 |

Sycamore, American—Broad, spreading, round top, massive and picturesque, often 100 feet high trees; very effective in winter, when the branches show almost as white as the birch, and its mottled trunk of gray, green and brown is revealed. Hardy any place south of Yankton. 6 to 8 ft., each, 60c; 8 to 10 ft., 75c; 10 to 12 ft., \$1.00.

Willow, Diamond—This is very valuable for fence posts, growing rapidly, and produces the posts that will keep in the ground for years. You should plant a good grove of them. The richer the ground the more rapidly they will produce the posts, but they do well even on high and dry ground.

Willow, White or Fence Willow—This is the large tree that was used so many years for hedges around farms; it does best on lowplaces.

Willow, Laurel Leaf—This is a beautiful, medium tree with glossy, leathery foliage; an exceptionally good ornamental tree as well as useful for windbreaks, firewood, etc.

Russian Golden Willow—A very beautiful rapid grower, and does as well on high ground as any of the other willows. In habit it is much like the White or Fence Willow, but grows faster. A half-acre of these trees cut to the ground every few years will keep a large family in fuel.

American Golden Willow—Much the same as the above. I can see but little difference in their relative values. The twigs of the Russian variety turn red in winter, while the American remains yellow. The former grows more upright.

| | Each | 10 | 100 | 1,000 |
|---|--------|--------|--------|--------|
| Willow, Diamond, 18 to 24 in..... | .... | .... | \$0.45 | \$4.00 |
| Willow, Diamond, 12 to 18 in..... | .... | .... | .35 | 3.00 |
| Willow, gray (same price as Diamond). | | | | |
| Willow, white or fence willow, 5 to 6 ft..... | \$0.10 | \$0.75 | .... | .... |
| Willow, white or fence willow, 4 to 5 ft..... | .08 | .65 | .... | .... |
| Willow, white or fence willow, 3 to 4 ft..... | .05 | .40 | .... | .... |
| Willow, white or fence willow, 2 to 3 ft..... | .... | .... | 3.00 | .... |
| Willow, Rus. Golden, 5 to 6 ft..... | .20 | 1.75 | .... | .... |
| Willow, Rus. Golden, 4 to 5 ft..... | .12 | 1.00 | 7.00 | .... |
| Willow, Rus. Golden, 2 to 3 ft..... | .... | .... | 2.00 | 15.00 |
| Willow, Am. Golden, 5 to 6 ft..... | .20 | 1.75 | .... | .... |
| Willow, Am. Golden, 4 to 5 ft..... | .12 | 1.00 | .... | .... |
| Willow, Am. Golden, 3 to 4 ft..... | .... | .75 | 5.25 | 25.00 |
| Willow, Am. Golden, 2 to 3 ft..... | .05 | .30 | 2.75 | 20.00 |
| Willow, Am. Golden, 18 to 24 in..... | .... | .... | 2.00 | 15.00 |
| Willow, Laurel Leaf, 2 to 3 ft..... | .... | .40 | 3.00 | .... |
| Willow, Laurel Leaf, 18 to 24 in..... | .... | .30 | 2.00 | .... |
| White Thorn (Hawthorn) 12 to 18 in..... | .... | .25 | 1.75 | .... |

CUTTINGS

A great many varieties of trees and plants can be propagated from cuttings more readily than any other way and for a less expense. Cuttings of all kinds should be planted as soon as received and we do not advise the shoving of them into the ground as is ordinarily practiced; they will be more or less calloused when you receive them and the shoving of them into the ground destroys this callous and kills the cutting. If you have a quantity of them the best way is to plow a deep furrow, put them against the overturned furrow where the horses will not step on them as you come with the next, and throw a furrow against them, tramping them carefully after planting. The way practiced in the nurseries and where you want to do it just right is with the dibble, making a hole in the ground the length of the cutting, dropping the cutting into it and pressing the dirt firmly around it. If these directions are followed you will have almost perfect success.

Artemesia, Russian — Per 100, 40c; per 1,000, \$2.50.

Cottonwood—Per 100, 25c; per 1,000, \$1.50.

Carolina Poplar—Per 100, 50c; per 1,000, \$2.50.

Norway Poplar—Per 100, 50c; per 1,000, \$2.75.

Laurel Leaved Willow—Per 100, 50c; per 1,000, \$3.00.

Golden Willow—Per 100, 40c; per 1,000, \$2.25.

Russian Golden Willow—Per 100, 50c; per 1,000, \$2.50.

White Willow—Per 100, 40c; per 1,000, \$2.00.

Diamond Willow—Per 100, 40c; per 1,000, \$2.00.

Gray Willow—Per 100, 40c; per 1,000, \$2.00.

ROOT GRAFTS

These are scions and roots grafted and tied together with waxed cord ready to plant. Apples should give from 75 to 95 per cent stand; cherries will not grow from root grafts practically. Plums under our system are making very good stands, and we would advise if you want to plant the small trees to purchase these grafts. Apple root grafts are put up in bunches of 50 each and bunches will not be broken. No order for root grafts will be booked after April 1st, and they will be shipped as early in April as possible without regard to other stock ordered. Small lots will go by parcels post, and they should be planted immediately on receipt of the grafts. They should be planted with a dibble as per instructions for cuttings. Price, **Apples and Crabs on apple and crab roots, 50, \$1.75; 100, \$2.50; 1,000, \$16.00.**

Plum Root Graft—Our process of putting up the plums has given us for a number of years practically as good stand as with the apples. These are all grafted on the American Plum root and we can furnish them in any variety. **Per 50, \$2.00; per 100, \$3.00.**

Prof. Hansen Plums, any variety, 25 for \$3.00; 50 for \$5.50; 100, \$10.00.

WEeping TREES

Weeping Trees—The most ornamental of any of the trees. Can be used in places where it is impossible to use the larger, erect growing kind, and for effective landscape work you must always use something in this line.

Weeping Mulberry Trees—Will stand where not exposed to heavy winds; is a most beautiful tree with its long, lithe pendant sweeping the ground. This is specially valuable to plant on lawns where you do not wish to obstruct the view from the windows to the streets or roads. It produces an umbrella-shaped head, never growing above eight or ten feet high, and spreading out in beautiful, glossy dark green leaves and purple fruit, make it one of the most sought-after of all of the weeping trees. **One-year head, each, \$1.00; 2-year head, each, \$1.35.**

Birch, Cutleaf Weeping—One of the most elegant of all the weeping or pendulous trees; its tall, slender yet vigorous growth, graceful drooping habit, silvery white bark and delicately cut foliage presents a combination of attractive characteristics rarely met with in a single tree. This is absolutely hardy. **Price, 5-6 ft., 85c; 6-8 ft., \$1.00 each.**

Elm, Camperdown Weeping—Its vigorous, irregular branches, which have a uniform weeping habit, overlap so regularly that the compact, roof-like head is formed; leaves are large,

glossy, dark green; a strong, vigorous grower. The only Weeping Elm that is hardy in the north. \$1.15 each.

Mountain Ash, Weeping—With its large, irregular limbs reaching to the ground, the trees covered with their clusters of red berries making it one of the very beautiful trees. Each, \$1.00.

Maple, Weir's Cutleaf Weeping—A Silver Maple with remarkable and beautiful dissicated foliage; of rapid growth, shoots slender and drooping, giving it a very graceful appearance. This is not hardy very much north of Yankton and we would not advise its use farther north than this point. 5-6 ft., 75c; 6-8 ft., 90c; 8-10 ft., \$1.10.

Willow, Nioba Weeping—We are showing a picture here of a row of the Nioba Weeping Willows bordering a large field of Colorado Blue Spruce; these trees are only four years old, perfectly hardy, and the most beautiful of any of the weeping trees. We have discarded other varieties as this is so much better. 5-6 ft., each, 45c; 6-8 ft., 60c.



Nioba Weeping Willow

HEDGE PLANTS

The demand for hedge plants increases rapidly in all communities, especially in the older communities where they have disposed of the various kinds of fences surrounding and dividing one party's holdings from another. Hedges in the rear of town lots, along the alley, are being planted more and more as their beauty and utility become known. There are a number of plants valuable for this purpose and we list for this purpose specially and for low-growing hedges in town and around home places in the country where they do not wish the hedge to grow too high, the **Buckthorn**, the **Barberry**, and the **Tree Honeysuckle**. These are all hardy, and stand trimming better than any other hedge plant. These plants are hardy anywhere, do not sprout up from the roots or spread, and all of them produce flowers and berries which are very ornamental. The **Buckthorn** with its ebony black berries in the fall, the **Barberry** with its bright red clusters of berries, and the **Honeysuckle** with its thousands of pink and white blossoms in the summer, makes it well worth while to live.

The **Lilacs** in the purple and white are also good for hedge purposes, but do not stand the trimming as the other plants do, but are used a great deal for hedge purposes. The **Lilac** is too well known and its value too well known to need description here.

| | | Each | 10 | 100 | 1000 |
|---------------------------|--|--------|--------|--------|---------|
| Buck Thorn, 6 to 12 in.. | [Perfectly hardy and very orna- mental, makes fine ornamental hedges. Can be trimmed to any desired shape ] | .... | .... | \$2.00 | \$12.00 |
| Buck Thorn, 12 to 18 in.. |  | .... | .... | 3.25 | 22.00 |
| Buck Thorn, 18 to 24 in.. |  | .... | .... | 4.50 | 28.00 |
| Buck Thorn, 2 to 3 ft.... |  | .... | \$0.80 | 7.50 | .... |
| Buck Thorn, 3 to 4 ft.... | | \$0.20 | 1.50 | 10.00 | .... |
| Buck Thorn, 4 to 5 ft.... | | .25 | 1.75 | 15.00 | .... |
| Buck Thorn, 5 to 7 ft.... | | .30 | 2.50 | .... | .... |

Black Hills Spruce—The second best ornamental Evergreen grown. We consider the **Blue Spruce** first, the **Black Hills** second. Hardy, compact, keeps its color well during the winter, and we have hundreds of thousands of them. We ball and burlap these trees if you wish, and guarantee their growth.

Barberry Thunbergia — Perfectly hardy. Will make a dense hedge from 3 to 4 feet high, which will always remain symmetrical without any pruning. Bears large, nearly round, crimson berries, which remain on plants all winter. Foliage colors beautifully in autumn.

Barberry (Common) — A perfectly hardy shrub, 4 to 6 feet. Bears early and profusely. Fruit shape of a grain of wheat, but two to four times as large. Bright crimson. Equal to the currant for culinary purposes. Does not make the wheat rust. (See Ag. Bulletin No. 72.)

"Where the tangled Barberry bushes

Hang their tufts of crimson berries

Over stone walls gray with mosses."



Dwarf Barberry, Thunbergia

| | Each | 10 | 100 | 1,000 |
|---|--------|--------|--------|--------|
| Barberry Common, two years..... | \$0.10 | \$0.90 | \$8.00 | .... |
| Barberry Thunbergia, dwarf..... | .15 | 1.00 | 8.00 | .... |
| Hardy, 3 years, best for hedges. | | | | |
| Barberry Thunbergia, two years..... | .... | 1.00 | 6.00 | .... |
| Barberry Thunbergia, one year..... | .... | .... | 3.50 | .... |
| Honeysuckle tree, 2 to 3 ft..... | .15 | 1.25 | .... | .... |
| Honeysuckle tree, 3 to 4 ft..... | .20 | 1.75 | .... | .... |
| Lilac, purple, 2 to 3 ft..... | .25 | 2.00 | .... | .... |
| Lilac, white, 2 to 3 ft..... | .25 | 2.00 | .... | .... |
| Mulberry, Russian, 5 to 6 ft., trans..... | .25 | 2.00 | .... | .... |
| Mulberry, Russian, 4 to 5 ft. trans..... | .20 | 1.75 | .... | .... |
| Mulberry, Russian, 12 to 18 in. sd..... | .... | .... | .60 | \$4.50 |
| Mulberry, Russian, 6 to 12 in. sd..... | .... | .... | .40 | 3.00 |

The **Russian Olive** is more in the nature of an all-round tree; it is suitable for hedge purposes, for wind-breaks or for single trees on the lawn. It is long-lived, perfectly hardy, and is covered in the spring with racemes of beautiful yellow flowers which are very fragrant, and later in the season with its clusters of silvery-white berries.

| | Each | 10 | 100 | 1000 |
|---------------------------------|------|--------|--------|---------|
| Russian Olive, 18 to 24 in..... | | \$0.25 | \$2.00 | \$12.00 |
| Russian Olive, 12 to 18 in..... | | | 1.50 | 9.00 |
| Russian Olive, 8 to 12 in..... | | | 1.00 | 6.00 |

OSAGE ORANGE

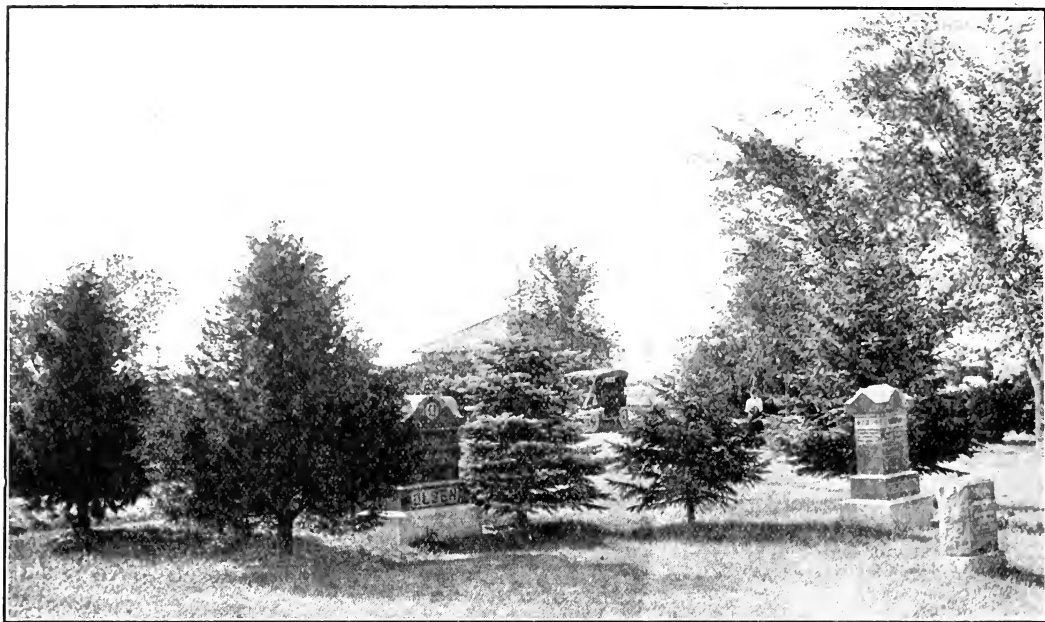
Osage Orange—The standard farm hedge any place south of Yankton, S. D. This makes an excellent hedge, will turn stock, grows high enough for windbreak or snow catching purposes and should be used wherever it is hardy.

| | Per 100 | Per 1000 |
|--------------------|---------|----------|
| 12-18 inches | \$0.75 | \$4.00 |
| 18-24 inches | 1.00 | 5.00 |

EVERGREENS FOR THE DAKOTAS

In traveling over the Dakotas we occasionally see an Oasis in the shape of Evergreens clustered around a farm house, or a few in the door yards in the cities and villages, in every case doing well, and a "joy forever," and a protection from the winds. In Turner county, South Dakota, are some grand old Pine trees that have stood for the last thirty years, growing better each year. On adjoining farms owners tell us evergreens will not grow in Dakota, they will not even believe what they have seen for thirty years. The facts are, an evergreen is at home in the Dakotas, and is as easily transplanted as any forest tree, and is worth much more than any other forest tree when growing on your place.

Here, at Yankton, we realized the great future for evergreens in the Northwest, and have planted many thousands of them at our nurseries, and we have them growing and ready for this year's trade. We know the varieties that will do best in all parts of the country and are prepared to give you the information, and furnish you with the trees, fresh dug and properly packed. In buying evergreens do not buy one or half a dozen, unless you have room for no more; buy them by the hundreds and thousands; they are the cheapest and best windbreak, shutting out the winter winds as no other tree will. They are cheap, will cost you but a few dollars for enough to enclose your feeding yards and buildings.



Evergreens Will Grow in Cemeteries in South Dakota. This Photograph Taken in Cemetery Yankton, S. D., 1911.

Warranted Evergreens in Baskets—Transplanted

We shall, later in winter, or early spring, take up with the earth on the roots, Ball and Burlap a lot of evergreens of different kinds and sizes.

It is a good deal of work to handle these and prices must necessarily be a little high, but they are sure growers. We warrant them, and if one fails and we are notified any time during the month of July, 1914, we will refund money paid for tree and freights or replace free.

This offer to warrant does not apply to "dealers" (those who buy to sell again).

Warranted Evergreens Balled and Burlapped

| | Each | 10 |
|---|--------|---------|
| Blue Spruce, Select Blue , 16 to 20 in.. | \$2.00 | \$18.00 |
| Blue Spruce, Select Blue , 20 to 24 in.. | 3.00 | 27.00 |
| Blue Spruce, green, 18 to 24 in..... | 1.00 | 9.00 |
| Blue Spruce, green, 2 to 3 ft..... | 1.50 | 15.00 |
| Black Hills Spruce, 18 to 24 in..... | 1.00 | 8.00 |
| Black Hills Spruce, 24 to 30 in..... | 1.25 | .... |
| Black Hills Spruce, 30 to 36 in..... | 1.50 | .... |
| Scotch Pine, 18 to 24 in..... | .75 | 6.00 |
| Scotch Pine, 2 to 3 ft..... | .85 | 7.00 |
| Balsam Fir, 2 to 3 ft..... | 1.25 | .... |
| Douglas Spruce, 2 to 3 ft., hardy..... | 1.00 | 7.50 |
| Douglas Spruce, 3 to 4 ft..... | 1.25 | 10.00 |

Seedling Evergreens—These are trees one and two years old not transplanted, and will in most cases require shading the first year or two. In the hands of unskilled planters they do not give satisfaction.

| | 100 | 1000 |
|---|--------|---------|
| Blue Spruce, 3 to 4 in..... | \$1.50 | \$12.00 |
| Jack Pine, 2 to 3 years, 6 to 8 in..... | 2.00 | 15.00 |
| Ponderosa or Bull Pine, 2 years..... | 1.50 | 10.00 |
| Ponderosa or Bull Pine, 3 years..... | 2.00 | 16.00 |

Sweet Clover, *Mellilotus Alba*, White Flowered Kind—We are just as enthusiastic about the value of Sweet Clover as anyone in the United States. We are compelled, however, to keep still about it for the reason that it is almost impossible to secure seed enough to fill our orders. Last year we returned hundreds of dollars as we were unable to fill the orders. This year we have secured a larger supply, but do not expect to have enough to last us through the season.



Blue Spruce on Farm of Lars Cramer, Colman, S. D.



Select Blue Spruce, 15 Inches to 3 Feet High



Scotch and White Pine Planted by C. W. Gurney at His Northern Nebraska Nursery in 1892. Size when planted, 4 to 6 inches high (the size we sell for \$2.00 per 100). These trees are now over 40 feet high and 18 to 20 inches through. Good saw logs.

Colorado Blue Spruce
—Out in the high places in Colorado where the soil is not as good as it might be, where the summers are very hot and the winters very cold, grows a sturdy evergreen known as the **Colorado Blue Spruce**. This is undoubtedly the most beautiful of any or all of the evergreens and has come into use surprisingly rapidly in the last few years for ornamental purposes. They have adapted themselves to all conditions and the better the conditions the more rapid the growth. The trees vary in color from light green to beautiful blues, the price varying with the color—the light green ones the cheapest and the brightest blue the highest price. We are showing a photograph here of thousands of them at our Evergreen Nursery.

Catalpa Speciosa

We have a fine large lot of *Catalpa Speciosa* all grown from seed produced here at Yankton; these trees run from 3 feet to 10 feet, and we are going to make you some very nice prices on them if you can use them. We would like to have you use them in towns specially for ornamental and street purposes. In the country plant several rows of them. You cannot do better.



Thousands of Blue Spruce 16 Inches to 3 Feet

Blue Spruce (P. Pungens) unassorted, colors as they run:

| | Each | 10 | 100 | 1000 |
|-----------------------------------|--------|--------|--------|---------|
| 4 to 6 in., once trans..... | .... | \$0.40 | \$2.50 | \$20.00 |
| 6 to 8 in., twice trans..... | .... | .50 | 3.00 | 25.00 |
| 8 to 12 in., twice trans..... | \$0.20 | 1.50 | 12.00 | .... |
| 12 to 16 in., twice trans..... | .30 | 2.25 | 18.00 | .... |
| 16 to 20 in., trans. 3 times..... | .35 | 3.00 | .... | .... |
| 20 to 24 in., trans. 3 times..... | .50 | 5.00 | .... | .... |
| 24 to 30 in., trans. 3 times..... | .75 | 6.50 | .... | .... |
| 30 to 36 in., trans. 3 times..... | .85 | .... | .... | .... |

The above list is for green specimens or as they run if under 12 inches.

Blue Select Specimens—About 5 per cent. to 7 per cent. of the Pungens will be blue, more or less. Their value depends on their color, and it is practically impossible to list them correctly. A 2 to 3 ft. tree is worth from \$1.00 plain to \$5.00 for a fancy tree. I have seen a fancy 5 ft. tree sell for \$25.00. Send me the amount you want to invest in a blue tree and give size and I will make the selection personally and give you full value for your money.

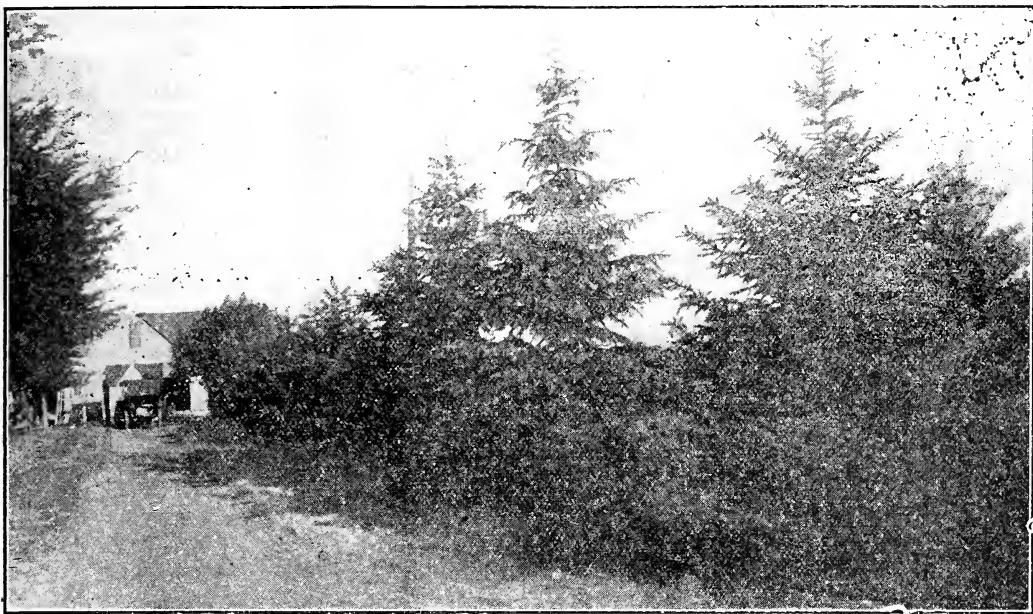
| | Each | 10 | 100 | 1000 |
|---|--------|--------|--------|------|
| Balsam Fir, 12 to 18 in. (not hardy in the north) | \$0.15 | \$1.00 | .... | .... |
| Balsam Fir, 18 to 24 in..... | .25 | 2.00 | .... | .... |
| Balsam Fir, 2 to 3 ft. | .35 | 3.00 | .... | .... |
| Douglas Spruce, 2 to 3 ft., hardy, 3 times trans. | .35 | 3.00 | .... | .... |
| Douglas Spruce, 3 to 4 ft., hardy, 3 times trans. | .50 | 4.50 | .... | .... |
| Jack Pine, 8 to 12 in., once trans..... | .10 | .75 | \$5.50 | .... |
| Jack Pine, 12 to 18 in., twice trans..... | .15 | 1.00 | 7.50 | .... |
| Jack Pine, 18 to 24 in., twice trans..... | .20 | 1.50 | 9.00 | .... |
| Jack Pine, 2 to 3 ft., twice trans..... | .25 | 2.00 | 10.00 | .... |
| Jack Pine, 3 to 4 ft., twice trans..... | .30 | 2.25 | 12.00 | .... |

Red Cedar—This produces a "cedar apple" that develops a rust which divides its life history between this tree and the common apple and is destructive to the latter. It is not hardier than the Jack Pine, Blue or Black Hills Spruce, and not so fast a grower as the Jack Pine. We will get it for those who want it, but don't keep it.

| | Each | 10 | 100 | 1000 |
|--|--------|--------|--------|---------|
| Scotch Pine, 4 to 6 in., trans..... | .... | .... | \$2.00 | \$16.00 |
| Scotch Pine, 6 to 8 in., trans..... | .... | .... | 3.50 | 22.00 |
| Scotch Pine, three years, 12 to 18 in., trans..... | \$0.15 | \$1.25 | 8.00 | .... |
| Scotch Pine, three years, 18 to 24 in., trans..... | .20 | 1.50 | 9.00 | .... |
| Scotch Pine, three years, 2 to 3 ft., trans..... | .25 | 2.00 | 11.00 | .... |
| Scotch Pine, three years, 3 to 4 ft., trans..... | .30 | 2.50 | 13.00 | .... |
| Scotch Pine, three years, 4 to 5 ft., trans..... | .35 | 3.00 | 15.00 | .... |

For all practical purposes for 50 years the Scotch Pine is very satisfactory for groves and windbreaks. Above are good sizes to plant in large quantities. Remember, all the foregoing Evergreens are transplanted from one to three times, and the large Blue Spruce are four times.

The Scotch and Austrian Pine are identical for all practical purposes.



A Driveway of Black Hills Spruce at Our Evergreen Nursery.

| | Each | 10 | 100 | 1000 |
|--|--------|--------|---------|---------|
| Black Hills Spruce, 6 to 8 in..... | \$0.10 | \$0.90 | \$ 5.00 | \$40.00 |
| Black Hills Spruce, 8 to 10 in..... | .12 | 1.00 | 6.00 | 45.00 |
| Black Hills Spruce, 10 to 12 in..... | .16 | 1.50 | 8.00 | 55.00 |
| Black Hills Spruce, 12 to 14 in..... | .20 | 1.60 | 14.00 | .... |
| Black Hills Spruce, 14 to 18 in..... | .25 | 1.80 | 16.00 | .... |
| Black Hills Spruce, 18 to 24 in..... | .35 | 3.00 | 25.00 | .... |
| Black Hills Spruce, 24 to 30 in..... | .45 | 3.75 | 30.00 | .... |
| Black Hills Spruce, 30 to 36 in..... | .60 | 5.00 | .... | .... |
| Black Hills Spruce, 3 to 4 ft..... | .75 | 7.00 | .... | .... |
| Bull Pine or Ponderosa, 6 to 8 in..... | .08 | .75 | 5.00 | 45.00 |
| Bull Pine or Ponderosa, 8 to 10 in..... | .10 | .85 | 7.00 | .... |
| Bull Pine or Ponderosa, 10 to 12 in..... | .12 | 1.00 | 9.00 | .... |
| Bull Pine or Ponderosa, 12 to 14 in..... | .15 | 1.20 | 10.00 | .... |
| Bull Pine or Ponderosa, 14 to 18 in..... | .20 | 1.75 | 13.00 | .... |

| | Each | 10 | 100 |
|--------------------------|--------|--------|------|
| Althea, 2 to 3 ft..... | \$0.20 | \$1.75 | .... |
| Althea, 18 to 24 in..... | .15 | 1.25 | .... |

The Althea is one of the very best flowering shrubs, blooms the first year and continuously till frost. Large double and single flowers of wonderful colors and markings. Hardy with slight protection.

| | | | |
|--|--------|------|--------|
| Almond Fl., pink and white, two years..... | \$0.35 | .... | .... |
| Almond Fl., pink and white, one year..... | .25 | .... | .... |
| Bechtles Flowering Crab, 4 to 5 ft., grafts..... | .50 | .... | .... |
| Bleeding Heart | .20 | 1.75 | .... |
| Barberry Common, two years | .10 | .90 | \$8.00 |
| Barberry Thunbergia, dwarf, three years..... | .15 | 1.00 | 8.00 |
| Barberry Thunbergia, two years..... | .... | 1.00 | 6.00 |
| Barberry Thunbergia, one year..... | .... | .... | 3.50 |
| Calicanthus or "Virginia Allspice"..... | .25 | 2.00 | .... |

Also "Sweet Scented Shrub," half hardy, two years.

| | | | |
|---|-----|------|------|
| Crandall's Improved Currant, two years..... | .25 | 2.00 | .... |
| Columbine (Aquilegia) common mixed, strong..... | .10 | .75 | .... |
| Columbine Coerulea, from Rocky Mountains..... | .25 | 2.00 | .... |

Quills 3 in. long, beautiful, hardy.

| | | | |
|--|-----|------|------|
| Dogwood, Siberian, 3 to 4 ft..... | .20 | 1.75 | .... |
| Dogwood, Siberian, 2 to 3 ft..... | .15 | 1.25 | .... |
| Elder, common, 4 to 5 ft..... | .15 | 1.25 | .... |
| Elder, cut leaf, beautiful | .25 | 2.00 | .... |
| Elder, golden leaved | .30 | 2.75 | .... |
| Golden Glow, hardy, bright yellow..... | .15 | 1.00 | .... |
| Honeysuckle tree, 2 to 3 ft..... | .15 | 1.25 | .... |
| Honeysuckle tree, 3 to 4 ft..... | .20 | 1.75 | .... |
| Hydrangea, G. P., three years | .25 | 2.00 | .... |
| Hydrangea, G. P., two years | .20 | 1.75 | .... |
| Japan Quince, two years, strong | .10 | .75 | .... |

| | | | |
|--|--------|--------|------|
| Lilac, common, purple, 3 to 4 ft..... | \$0.25 | \$2.00 | .... |
| Lilac, common white, same price as purple. | | | |
| Lilac, Persian, 4 to 5 ft..... | .30 | 2.50 | .... |
| Lilac, Charles X, grafted, three years..... | .50 | .... | .... |
| Lilac, Villosa, three years, strong | .30 | 2.50 | .... |
| Lilac, Japan or Tree Lilac, three year grafts..... | .40 | 3.50 | .... |
| Poppy, perennial, one year..... | .25 | .... | .... |
| Prunus Trilobata, 4 to 5 ft., grafts..... | .40 | .... | .... |
| Sumac, selects | .25 | .... | .... |
| Snowball, 3 to 4 ft..... | .25 | .... | .... |
| Snowball, 2 to 3 ft..... | .20 | .... | .... |
| Syringa (Mock Orange), 3 to 4 ft..... | .25 | 2.00 | .... |
| Syringa, Dianthifolia, hardy, 3 to 4 ft..... | .25 | .... | .... |
| Spirea Anthony Waterer, dwarf..... | .15 | 1.25 | .... |
| Spirea Multifolia, 3 to 4 ft., fine..... | .25 | .... | .... |
| Spirea Prunifolia | .25 | .... | .... |
| Spirea Van Houttei, Bridal Wreath, strong plant..... | .25 | 2.00 | .... |
| Siberia Dogwood, 4 to 5 ft..... | .25 | 2.00 | .... |
| Siberia Dogwood, 3 to 4 ft..... | .20 | 1.75 | .... |
| Bright red in winter and spring. | | | |
| Tree Cranberry, 3 to 4 ft..... | .30 | .... | .... |
| Tree Cranberry, strong, 2 to 3 ft..... | .20 | .... | .... |
| Viburnum Lantana, 3 to 4 ft..... | .25 | 2.00 | .... |
| Viburnum Lantana, 2 to 3 ft..... | .20 | 1.75 | .... |
| One of the best and hardiest shrubs, bears edible fruit. | | | |
| Viburnum Prunifolia (Black Haw), 18 to 24 in. trans..... | .35 | .... | .... |
| Wahoo or Strawberry tree, 4 to 5 ft. trans..... | .25 | 2.00 | .... |
| Hardy, beautiful. | | | |



Residence of R. A. Jackson, Lebanon, S. D.—All from Gurney's

PATTEN'S GREENING APPLE

In going through the nursery today I noticed an immense block of Patten's Greening one year old apple trees; the finest block of yearling apples we have ever grown or I have ever seen. The trees stand from 2-4 ft. high, perfect, healthy specimens, and are an elegant tree to transplant to the orchard. We are going to make you a special price on these yearling Patten's Greenings where taken in lots of 50 or more, and are going to sell them to you at \$7.00 per 100 trees. Think of it! We have blocks of Wealthy and Northwestern Greenings equally as fine, which we will offer at the same price.

PHLOX

Von Lassburg—The purest snow white individual flower; larger than any other white.

Coquelicot—A fine orange scarlet with crimson eye; very fine.

Eclaireur—Brilliant rose with large lighter halo.

Jeanne D'Arc—Pure white, large, flowering variety.

Lothair—Salmon red with carmine eye.

Madam Bezanson—Deep crimson, very fine.

Sir Edwin Landseer—Large flat flower, rose, with light red eye.

Above, each, 15c; 10 for \$1.25.

Rose Acacia, Moss Locust—An elegant shrub with light green pinnate leaves and long, graceful clusters of pea-shaped rose-colored flowers in June, often throughout the summer. These are top-worked on straight stems about 4 to 5 feet high, and make beautiful ornamental trees. 4-5 ft. trees, each, 75c.

Purple Fringe (Cotinus) — A conspicuous spreading shrub or small tree with large leaves, overhung in midsummer by cloud-like masses of light mist-like flowers, having appearance of smoke at a distance. 2-3 ft., 30c each; \$2.50 per 10.

Spirea Van Houttei—Few shrubs retain their attractive foliage throughout the year as well as this sort; in spring or about Memorial Day, a hedge of the Van Houttei is a perfect fountain of pure white bloom; it is also known as Bridal Wreath. Each, 25c; 10, \$2.00.

Syringa or Mock Orange—The sweet scented *Syringa Philadelphia* conforms to the pruning and may be kept at any desired height for a hedge, and furnishes one of the choicest of shrubs for this purpose. Flowers are very fragrant and are produced in the spring. Resembles orange blossoms both in fragrance and appearance. Each 25c; 10, \$2.00.

Bechtel's Fl. Crab—Is a sport of the wild crab of Iowa and is a young and free bloomer of double apple fragrant flowers like small roses. Too much cannot be said in its praise.

Prunus Trilobata—It is perfectly hardy, hardier than any roots that we can find to work it on, and is a profuse bloomer. Flowers, size and shape of Flowering Almond.

Almonds—(White and Pink)—These will require no protection unless exposed to the full sweep of the prairie winds, and then only the first year after planting.

Wistaria Fruti—Flowers in dense, drooping racemes produced in immense quantities. Each 20c; 10, \$1.75.

Weigela—Beautiful shrubs that bloom in May, June and July; the flowers are produced in so great profusion as to almost entirely hide the foliage. They are very desirable for the border or for grouping as specimen plants for the lawn. 2-3 ft., 30c; 10, \$2.50.

Sumac—If you have a little thicket, you should introduce a few Sumac. When grown in partial shade and protection it is among the most beautiful of our wild native shrubs.

Viburnum Lantana—We have been sending this out as "Evergreen Snowball." It was a broad-leaved evergreen for some years after we imported it, but of late it has adjusted itself to the rigor of our climate and holds its leaves only till about midwinter. It is the female of the Snowball, and like its cousin, the *V. Prunifolia*, or "Black Haw," produces immense quantities of edible fruit, much like the Black Haw, but the latter is not "in it" when it comes to productiveness. I picked a bushel twice level full from one bush seven years old.

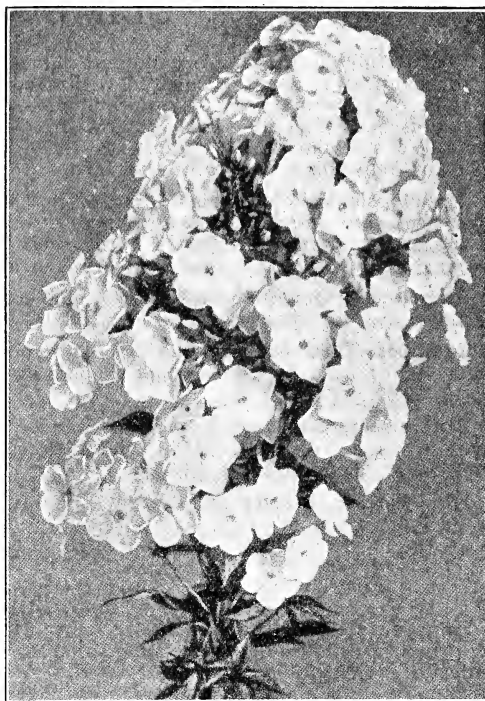
These berries during the summer are a bright red, but change to black in the fall when ripe.

When in blossom, at a little distance, it can hardly be distinguished from its twin brother, the Snowball, but holds its bloom nearly twice as long. The flowers are in cymes or flat, like the elder. Each, 25c.

Hydrangea — Grandiflora — This is one of the hardiest, most easily grown and satisfactory of all flowering shrubs for the garden. It bears immense clusters of flowers. When the blossoms first open they are almost green in color, then turn to the purest white and later to a light shade of pink and remain on the bushes for a long time. 25c each; 10 for \$2.00.

Lilacs—In great variety; too well known to need description. It is above all "the flower of our school days." The Chinese and Japanese varieties are very great additions as they make immense trees 20 to 30 feet high, and do not sprout from the roots. These tree lilacs blossom very young, when trees are 4 to 5 feet high.

Jap. Tree Lilac—(Syringa Japonica)—Aside from its beautiful flowers it makes ultimately a large, dark green, shiny leaved shade tree, and unlike most other lilacs, does not sprout from the roots. We guarantee satisfaction. We think it the best of all the late flowering kinds. Each, 40c.



Perennial Phlox

CLIMBING VINES

Wonderfully useful and ornamental plants, used for a various number of purposes. Nothing so beautiful as a porch covered with the Clematis, the Woodbine or the Honeysuckle; also valuable for covering unsightly outbuildings, fences, tree stumps, or where it produces the right landscape effect they can be allowed to grow at their will in the large lawn and forest trees. We are showing a picture of the Clematis *Paniculata* growing wild, running over brush and fence in a corner of the yard.

Ampelopsis Veitchi—This is one of the finest climbers we have for covering walls as it clings firmly to the smoothest surface, covering it closely with overlapped foliage, giving it the appearance of being shingled with green leaves. The color is a deep green in summer, changing to the brightest shades of crimson and yellow in autumn. Each, 20c; 10, \$1.75.

Ampelopsis Quinquifolia—Deeply cut leaves which turn to a beautiful crimson in fall; fine for covering trees, rocky slopes, walls, etc. Very hardy. Each, 20c; 10, \$1.75.

Trumpet Vine, Radicans—A robust, woody vine, twining with numerous roots along its stems; its orange-scarlet, trumpet-shaped flowers clusters at the tips of the branches. Each, 25c; 10, \$2.00.

Bittersweet, Calastrus Standens—Handsome, glossy foliage in large clusters of beautiful orange-crimson fruit retained all winter; its graceful sprays of berries making winter house decorations. Each, 30c; 10, \$2.50.

Honeysuckle, Scarlet and Yellow Climbing—These are very hardy, producing large quantities of long, trumped-shaped flowers, heavy glossy leaves, makes them one of the most valuable of the hardy climbers. Each, 25c; 10, \$2.00.

Honeysuckle, Variegated—This is a beautiful, slow-growing, climbing or creeping plant with wonderfully rich foliage, variegated white, yellow and green; a plant that should be in every collection. Each, 20c; 10, \$1.50.

Cinnamon Vine—A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. See Bulbs and Tubers. Each, 10c; 10, \$1.00.

Clematis—Very few people are aware of the wonderful beauty of these wonderful climbing plants and the exquisite fragrance of some of them. Some of the large flowering varieties like the *Henryi* (Creamy white), *Jackmanii* (Violet purple), *Madam Ed Andre* (Crimson red), often measures 4 inches across, and plants three or four years old will cover the entire side of a house and the foliage will be entirely hidden by a rich mass of beautiful flowers. The smaller varieties like *Coccinea* (Coral red), *Flamula* and *Paniculata* (white), are extremely rapid climbers and profuse bloomers. Price of the large flowering kinds, 50c each. The smaller flowering varieties, 25c each; all extra strong plants.



Clematis Jackmanii.



Gen. Jacqueminot.

Roses—The Hybrid Perpetual are the best, as they make wood and flowers the same year, and are in bloom from about June 1 till November. They are better for protection, but live through without it. The Persian Yellow and Harrison are both hardy and need no protection. The *Wychuriana*, *Crimson Rambler* and *Dorothy Perkins* are better than any of the old sorts of running roses.

Roses

Hybrid Perpetual—best two and three years. Each, 30c; 10 for \$2.50.

Varieties: *Coquette de Alps*, white; *Mad. Planter*, white; *Magna Charta*, glorious rose; *Gen. Jacqueminot*, deep crimson; *Paul Neyron*, cherry red; *Prest. Wilder*, deep scarlet.



Veilchenblau (Blue Rose).

Blue Rose

The long looked for **Blue Rose** is an accomplished fact. For many years the rose specialists have dreamed of eventually producing a **Blue Rose**, but with little hopes that it would end in getting anything more substantial than the original dream. Before the successful production of this blue rose, Rudyard Kipling, the great poet, voiced the quest for the supposed unattainable in the following lines:

Roses red and roses white
Plucked I for my love's delight;
She would none of all my posies,
Bade me gather her blue roses.
Half the world I wandered through,
Seeking where such flowers grew,
Half the world unto my quest
Answered but with laugh and jest.

Generally the introduction of a novelty of this class lacks hardiness or some other essential point. This new **blue rose** is of the Rambler class and is a seedling of the **Crimson Rambler**. The blossoms come in large umbels. The color on first unfolding is purplish pink; then turning amethyst and finally steel blue. The yellow stamens appear in sharp contrast to the blue petals. The plant is vigorous in growth with shining green foliage. Is one of the hardest ramblers. A **blue rose** in your garden. Think what a sensation it would create among your neighbors. Undoubtedly none of them have ever heard of much less seen a **blue rose**. This does much better outdoors than in the greenhouse and is especially valuable for covering porches or unsightly outbuildings or fences. **Extra large two-year-old plants, 50c each.**

Rosa Rugosa—Is a perfectly hardy semi-double, very bright and very fragrant rose, and one which is sure to give perfect satisfaction. Requires no protection anywhere. **Each, 25c.**

Eglantine or Sweet Briar—Is valued for the fragrance of its foliage. Does better in sandy land. **Each, 25c.**

Veilchenblau and Baby Rambler Roses—We wish to say to our customers for these particular roses that the plants will be exceptionally strong. Both varieties are big, strong, healthy two year plants and will please everyone. Both of these should bloom the first year and the **Baby Rambler** should bloom continuously during the summer. We do not believe you can invest a few cents or dollars and receive a greater pleasure for it than you can by purchasing some of these roses.

Roses, Climbing, two years, best. Each, 25c; 10 for \$2.00.

Varieties: **Crimson Rambler, Prairie Queen, Greville or Seven Sisters, White Rambler, S. O. Perfection, Mandas Triumph, Dorothea Perkins.**

Other Roses.

Persian and Harrison Yellow, Scotch Yellow and Norway White. Each, 35c.

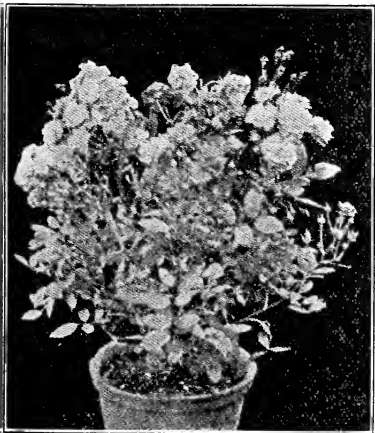
Baby Rambler—A miniature **Crimson Rambler**, but a true H. P., and the most constant all-summer bloomer. Is not much of a "Rambler," but exhausts itself with bloom in June. Till severe freezing the bushes are a mass of crimson flowers. If you don't have it get some quick and have roses "to burn." **Each, 25c; 10 for \$2.00.**

June Roses—The common June Roses are very hardy and give good satisfaction. Unlike any of the others named, they will spread from the roots and only blossom once each season. **Each 20c.**

Dorothea Perkins—Bright pink and a very profuse bloomer. One of the best and most popular. **Each, 25c.**

Asparagus

I was reading in a newspaper today that people in the city were often compelled to pay, if they wanted it, from 40c to 50c for a small bunch of asparagus. You can get 100 fine plants for \$1.00, and grow all or more asparagus than your family can use.



Baby Rambler.



Crimson Rambler.

Manda's Triumph—Pure white, many double. Will produce in cluster of from ten to twelve on small side-shoots, literally covering the plant and standing well above the foliage. Each, 25c.

Crimson Rambler—The hardiest and best climbing rose. Each, 25c; 10, \$2.00.

Tree Roses

The tree roses are grafted on hardy stalks about four feet high and when in full bloom are objects of beauty, making handsome plants for the lawn, or rose borders. In this shape we offer the Hybrid Perpetual and the Crimson Rambler; we can give you any varieties of Perpetuals of the Crimson Rambler. Fine, strong trees that will bloom the first year. \$1.00 each.

Bulbs and Tubers

These are generally the most satisfactory of any of the flowering plants as they are easily taken care of, bloom very early after planting, and so many of them are perfectly hardy, remaining in the ground year after year and improving with each season.

Gladiolus—Gladiolus should be planted over an extended period commencing about the 1st of May and ending by mid-June; this would give you flowers for practically all of the season up to frost. Previous to the ground's freezing up in the fall these bulbs must be taken up, the dirt removed, and the bulbs placed in a cool, dry cellar for the winter.

WARNER'S WONDERFUL COLLECTION

In the purchase by us of Mr. Warner's collection of bulbs we came into possession of probably the largest and most valuable collection of **Gladiolus** of the up-to-date named varieties in the United States. These of course were just a few bulbs of each of something like 500 varieties, and we shall not attempt to name them and sell them separately this season, but shall offer them in small lots only, that is, small lots of each variety. They were all planted in our trial grounds this past season and produced the most wonderful lot of Gladiolus bloom we have ever seen. They vary in color from nearly clear white to the darkest shades of purple. Price, one each of ten varieties, \$1.25; 25 varieties, \$2.25; one each of 50 varieties, \$4.25; one each of 100 varieties, \$8.00.

Gladiolus

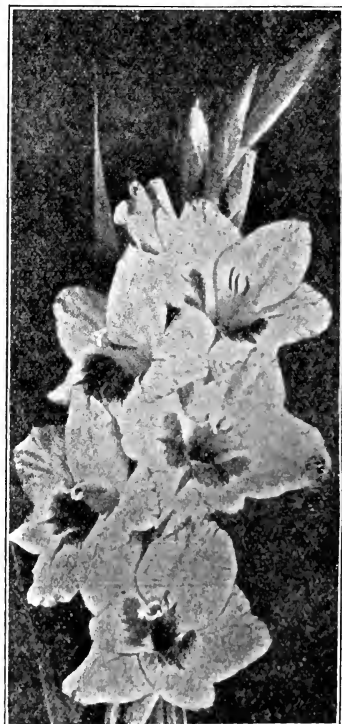
Silver Trophy Strains—Groff's World's Best New Hybrid Seedlings. This section is composed of rare blues, in clematis, lilac and heliotrope shades. This is a new strain, perhaps never offered before. Each, 7c; per dozen, 75c; per 100, \$6.00.

Groff's Hybrid Seedlings—The most popular strain in America. The original introduction of Mr. Groff's were awarded certificate of merit by the Society of American Florists, New York, 1900, where they defeated the whole Childs section, exhibited in competition by the introducer. In this section we have every variety of Mr. Groff's introductions, and contains all colors. Each, 5c; per doz., 40c; per 100, \$2.50.

Augusta—Lovely pure white with blue anthers; strong, straight spike, often having two or three branches. Each, 8c; doz., 65c; 100, \$4.00.

Marie Lemoine—Slender spike, well extended flowers, upper division of a pale creamy color flushed crimson lilac; the lower division spotted violet and yellow. A very dainty variety. Each, 8c; doz., 70c; 100, \$4.00.

Bleeding Heart—The old-fashioned Bleeding-Heart; a hardy, perennial plant producing long racemes of beautiful pink, heart-shaped flowers, blooming very early in the spring, consequently must be planted early. This increases in size each year and makes immense clumps after a few seasons. Strong roots. Each, 30c; 10, \$2.50.



**Silver Trophy Strain No. 3.
Gladiola.**

Caladium Esculentum, or Elephant's Ear, very easily grown. Its immense leaves often



A Colman, S. D., Home, Showing Effect of Vines Over Porch.

Cannas

We are offering this year an assortment of Cannas arranged properly for time of blooming, size, etc., for one of the most beautiful Canna beds you can imagine. **Italia**—For center of bed. Orchid flowering type, great crinkly petals of clear yellow, irregularly overlaid with various shades of orange scarlet. Height, 5 ft.

Burbank—Giant orchid flowers of rich sulphur yellow inner petals, dotted with rich red, an excellent variety, blooms early and continuously. Foliage green and very compact. Height, 4½ ft.

Florida—Flowers large, orange scarlet in color streaked and flamed with crimson, a good grower and profuse bloomer. Height, 4 ft.

Charles Henderson—Flowers brilliant crimson scarlet, with yellow flame and throat, one of the best for bedding. A profuse bloomer and the great tresses of blooms always command admiration. Foliage green, dwarf and compact. Height, 3½ ft.

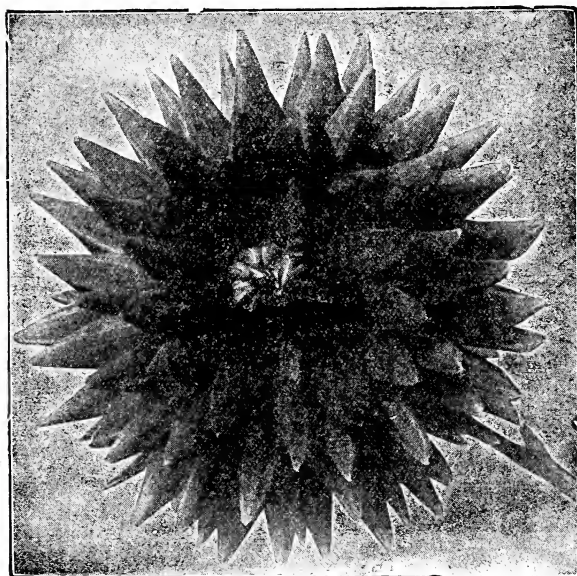
Mount Aetna—Leaves of rich bronze, dwarf and compact, large crimson flowers. Height, 3 ft.

Madam Crozy—Flower scarlet with narrow gilt edge; very popular variety. Foliage bright green. Height, 2½ ft.

Price of any of the above cannas, 15c each, or we will send the following assortment: One **Italia**, two **Burbank**, four **Florida**, six **Charles Henderson**, ten **Mount Aetna**, fourteen **Madam Crozy**, or a total of thirty-seven plants, express paid, for \$4.25. This will plant a bed ten feet in diameter. We will send one **Italia**, four **Florida**, six **Mount Aetna**, eight **Madam Crozy**, or a total of 19 plants, express paid, for \$2.25. This would plant a bed 7 feet in diameter.

Dahlias

The Dahlia is too well known to need a description; everybody knows it as the beautiful, late in the season, flower, varying in colors, taking in practically all of the colors than can be named.



Perfect Dahlia Zulu.

Cactus Dahlia, Baldwin, Bright Scarlet. Each, 20c.

Fern-Leaved Beauty, White and Crimson Striped, Fern-Leaved. Each, 20c.

Clifford W. Bruton—Immense Canary Yellow, fine, 6 inch. Each, 20c.

Nymphae—The most delicate shrimp pink. Called the Water Lily Dahlia. Should be in every collection. Each, 20c.

Wm. Agnew—The finest red in cultivation, large, perfect. Each, 20c.

Zulu—Called the Black Dahlia. Purple center, outer petals almost black. Later blooming and desirable. Each, 20c.

Oban—A peculiar apricot and bluish shade, free blooming. Each, 20c.

A. D. Livoni—Beautiful pure quilled pink and free bloomer. Each, 20c.

Mae Eustice—Deep scarlet, with white petals stuck in anywhere. A flower that will please and attract. Each, 20c.

Puritan—Fine ball of white, free blooming, medium. Each, 20c.

All above 10 for \$1.50.

WARNER'S SPLENDID COLLECTION

In the purchase of the Warner collection of bulbs we secured about 100 varieties of Dahlias, but shall offer nothing from that collection until 1915. Dahlias should be planted in the open ground as early in May as possible; or, for the early flowers we would advise starting them in pots in the house as early as the 1st of April, planting out after danger of frost is past. Previous to freezing up the dahlias should be dug, the earth removed from them, and placed in a dry, cool cellar to winter.

Hollyhocks

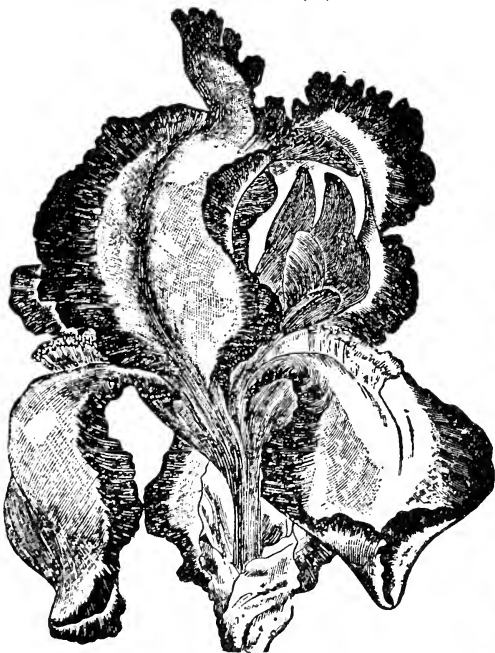
These may be grown from seed, or from the root. The seed does not produce plants that bloom until the second season, consequently we are offering the roots as well as the seeds. Each, 10c; 10, 75c.

Iris

None of you will ever forget the hardy blue Iris that was used for borders from the door to the gate on each side of the walks; a bed of it planted up close to the house, and blooming the earliest of any of the flowers in the spring. There has been a wonderful change and improvement in the Iris; hundreds of colors and combinations of colors, hardly a color can be imagined today that you do not find in the Iris. The size of the flower and the plant has increased wonderfully and this past season we had them in the nursery blooming at six inches high and some of the latest varieties standing fully five feet and covered with immense blooms measuring five and six inches across.

H. C. WARNER'S WONDERFUL COLLECTION

In purchasing the H. C. Warner collection of bulbs we secured hundreds of varieties of the Iris, all of the late ones; these will not be offered in quantities until the spring of 1915. This season we shall offer them in smaller lots. Price, one each of ten varieties, \$1.25; one each of 25 varieties, \$2.75.



German Iris.



Iris at the Nursery; 300 Varieties.

Iris Siberiaca—Hardest of all Iris, very strong, free grower, adapting themselves to any soil; producing large quantities of flowers under the most adverse conditions from June to August. Each, 15c.

German Iris—Each, 15c.

Honorabilis—Fine, yellow uppers, with lower petals of maroon. Each, 15c.

Mad Cherean—Very delicate and distinct; white, edged blue. Each, 15c.

Queen of Gypsies—Lilac, blended with pink and white. Each, 15c.

Parkmani—Upright, pure lemon falls; white, veined purple. Each, 15c.

Fragrans—Very free flowering; white. Each, 15c.

Assorted, 10 for \$1.00; 25 for \$2.00.

Japan Lilies

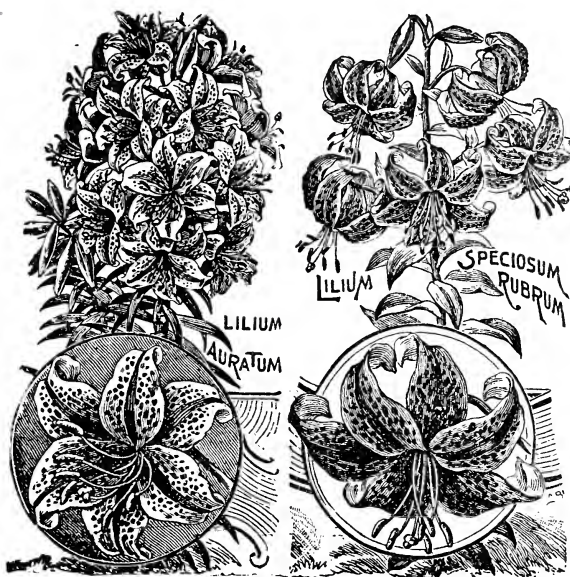
In beauty this flower is only rivaled by the Rose. They are hardy and of easy culture, remaining unprotected in the ground over winter.

The Longiflorum especially should be in every flower garden. It is exactly the beautiful, pure white, fragrant Easter Lily, except that it grows about two feet high.

Varieties: Lily Auratum, gold banded; Candidum, white; Canadensis, pure white; Lancitolium Rubrum, red, pink and white; Longiflorum (hardy) Easter Lily; Superbum; Umbelatum Erectum, very upright. Each, 30c, or 10 for \$2.25.

Lilium Erythronium (Adder tongue). Each, 20c; 10 for \$1.50.

All of the above bulbs will winter where they grew without protection.



Tiger Lilies

Everyone is acquainted with the old-fashioned single and double tiger lilies. These are undoubtedly the hardiest of all the lilies and will grow anywhere and are very satisfactory. Plant them in beds in the most prominent places, in out-of-the way corners, under trees, and they will do well anywhere and prove a delight to the eye. These are absolutely hardy and can be left in the ground year after year and they will increase and grow better with each season. Each, 15c; 10 for \$1.00.

Peonies

Probably none of the hardy plants are so satisfactory as the peony, with their varied colors, immense flowers and the extended period of blooming which you can get by taking the various varieties.

Warner's Wonderful Collection—In the purchase of the H. C. Warner collection of bulbs we secured probably the largest list of named varieties of peonies in the United States—hundreds of varieties, some of the old ones but most of them the latest improved. We shall not offer these until the spring of 1915. In the meantime we offer you the latest and best varieties as well as some of the old standard ones that you have known from childhood.

Marlbank, Nebr., Dec. 24. 1913.

Your letter containing check for premiums won at our State Fair at hand and we thank you very much for same. It was a most delightful experience for us as it was our first attempt to compete for seed premiums and we were very proud of our products indeed. While the summer was very dry here, the products all proved vigorous and our Sweepstakes pumpkin weighed 57 lbs. —not quite as heavy as usual, owing to the drouth, but good enough to beat the state anyway.

HENRY and ELLA DIXON.



Peonies at Our Evergreen Nurseries.
Over 500 Varieties.

Description of Peonies

Andre Lauris—Violet, red; late. Each, 25c.

Duchess de Orleans—Carmine, pink; salmon center. Each, 25c.

Festiva Maxima—Pure white, finely spotted carmine; strong grower; large; fine cut flowers. Each, 25c.

Floral Treasure—Fine, light pink; very free bloomer. Each, 25c.

Golden Harvest—Canary yellow. Each, 25c.

Le Esperance—Light and dark rose; mottled; med. late. Each, 25c.

Marie Lemoine—Large; sulphur, white. Each, 25c.

Rubra Triumphans—Brilliant crimson; early. Each, 25c.

Victor Tricolor—Rose, pink and salmon; extra bloomer. Each, 25c.

Above 9 for \$1.80.



A Perfect Type of Peony. This Stands at the Head of All Flowering Herbaceous Plants.

Tuberose

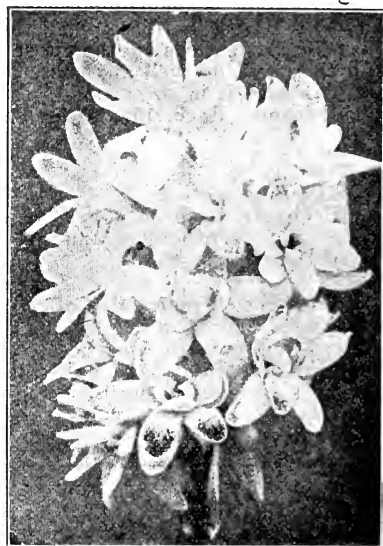
Dwarf Excelsior Pearl—Grows about 24 inches high and blooms early, bearing pure white, double, very large, sweet-scented flowers. Each, 5c; doz., 50c.

Shasta Daisy

This is the wonderful Luther Burbank daisy; the flowers often measure three to four inches across; it is perfectly hardy and is a beautiful plant to use for borders or in solid beds. Each, 15c; 2 for 25c; 10, \$1.00.

Yucca Filamentosa

This is a hardy evergreen plant producing long leaves; a tall stalk producing sometimes as high as 200 flowers of pure white; blooming period about June and July. Each, 25c; 10, \$1.75.



"Excelsior Pearl" Tuberose.

LAWN INSURANCE



Grass makes the lawn; dandelions are only disfigurements. Granting that the dandelion possesses beauty—flowers should be in flower-beds.

One dandelion is as bad as many, for it means many. Dandelions are the most prolific of weeds, and there is no surer destruction to your sod than a continual growth of dandelions, plantains and other weeds.

The Hall Dandelion Puller is an absolute guarantee to a fine lawn. It saves the lawn because it gets the root. It leaves no bad-looking hole to mark your work. The trowel-shaped blade slides into the ground while a patented prong catches the root. When it is pulled up you are done with that particular dandelion and its progeny. The root comes with it.

The Dandelion-Puller will be sent you for 65 cents, express prepaid

OUR POSTOFFICE DEPARTMENT

We have arranged the following list of such plants as will go nicely by mail for the benefit of those who live a long distance from a railroad but have a postoffice nearby.

We guarantee the safe arrival at your postoffice of any plants selected from this list and they go, of course, postpaid at the prices offered, so you know in ordering exactly what the goods will cost you in good condition at your postoffice.

This list should be of peculiar benefit to our friends in Montana and Wyoming who are apt to have goods spoiled or injured by an inspection law which works a great hardship on the people of these states without any benefit. There will be no interfering with the United States Mails.

Evergreens—(All transplanted. No shade required.)

Notice the bargain in Blue Spruce, 3 to 4, 4 to 6 and 6 to 8 inches; these are 3 and 4-year-old once transplanted. Buy 1,000 at 2 cents and sell to your neighbors in 3 years at 50 cents each. See? If handled as per simple instructions given, every one should grow.

| | Each | 10 | 100 |
|--|--------|--------|--------|
| Blue Spruce, 3 to 4 in., hardy anywhere..... | \$0.05 | \$0.40 | \$2.50 |
| Blue Spruce, 4 to 6 in..... | .10 | .65 | 5.00 |
| Blue Spruce, 6 to 8 in..... | .10 | .75 | 7.00 |
| Scotch Pine, 5 to 7 in., hardy in S. D. and Minnesota..... | .35 | 3.00 | |
| Black Hills Spruce, 3 year, 4 to 6 in., hardy anywhere..... | .10 | .65 | 5.00 |
| Jack Pine Seedlings, 4 to 5 in., rapid grower, hardy anywhere..... | .65 | 5.00 | |
| Bull Pine Sd., 2 year (handle carefully), hardy, fast grower..... | .25 | 2.00 | |

Forest Trees—

| | | | |
|-------------------------------------|------|------|--|
| Ash, white or green, 6 to 8 in..... | .... | .85 | |
| Cottonwood, 12 to 18 in..... | .... | .85 | |
| Elm, white, 12 to 18 in..... | .... | .85 | |
| Hackberry, 8 to 12 in..... | .... | 1.20 | |
| Soft Maple, 8 to 12 in. sd..... | .... | .80 | |
| Russian Mulberry, 12 to 18 in..... | .... | 1.00 | |
| Russian Mulberry, 6 to 12 in..... | .... | .80 | |

Cuttings—

| | | | |
|----------------------------|---------------------|-----|--|
| Poplar, Carolina..... | .... | .60 | |
| Poplar, Norway..... | { See Cuttings on } | .65 | |
| Cottonwood..... | { page 132 } | .55 | |
| Willow, all varieties..... | .... | .65 | |

Nut Trees—

| | | | |
|-------------------------------|------|------|------|
| Butternut, 1 year sd..... | 1.10 | .... |  |
| Black Walnut, 1 year sd..... | .50 | .... |  |
| Hazelnut, 1 year, strong..... | .15 | 1.00 | .... |

Small Fruits—

| | | | |
|---|-----|------|------|
| Beta Grape, 1 year, No. 1, requires no winter protection..... | .25 | 2.10 | .... |
| Perfection Currant. See engraving and description..... | .25 | 2.75 | .... |
| Houghton Gooseberry..... | .20 | 1.55 | .... |
| Carrie Gooseberry (from Minnesota), 1 year, No. 1..... | .30 | 3.10 | .... |
| Sunbeam Raspberry (best red hardy anywhere in State)..... | .16 | 1.50 | .... |
| King Raspberry (red)..... | .07 | .50 | .... |
| Any Black Raspberry..... | .07 | .50 | .... |

Strawberry, any variety offered, put up in bunches of 25.

Price, 25 for 45c; 50 for 90c; 100 for \$1.35.

Miscellaneous—

| | | | |
|---------------------------|------|------|------|
| Horse Radish..... | .12 | .60 | .... |
| Asparagus..... | .... | .35 | 2.25 |
| Rhubarb, whole roots..... | .15 | 1.25 | .... |

Flowering Shrubs, Trees and Herbaceous Plants—

| | | | |
|--|------|------|------|
| Ampelopsis, 2 years, sometimes called Woodbine..... | .30 | 1.85 | .... |
| Bleeding Heart..... | .25 | 1.85 | .... |
| Barberry Thunbergia, Dwarf, 1 year, hardy, fine for hedges..... | .... | .60 | .... |
| Clematis Jack, 2 years..... | .50 | 4.00 | .... |
| Clematis Flamula, hardy, pure white, fragrant, early, 2 years..... | .30 | 2.08 | .... |
| Clematis Paniculata, same as above but blooms later..... | .30 | 2.08 | .... |
| Columbine (Aquilegia) Coerulea, very beautiful, hardy..... | .30 | 2.08 | .... |
| Columbine, common, mixed, strong plants..... | .15 | 1.00 | .... |
| Honeysuckle, Climbing, scarlet and yellow, 2 years..... | .27 | .... | .... |
| Hydrangea, hardy, 2 years..... | .35 | 2.55 | .... |
| Japan Quince, 2 years, strong, bright scarlet flowers..... | .25 | 2.00 | .... |
| Phlox Perennial..... | .20 | 1.65 | .... |
| Rosa Rugosa, perfectly hardy rose, fragrant, semi-double and single..... | .25 | 1.70 | .... |
| Snowball, 2 years..... | .25 | 2.00 | .... |
| Spirea Anthony Waterer, hardy, dwarf, bright pink, 2 years..... | .25 | 2.00 | .... |
| Tree Cranberry, 2 years, strong..... | .25 | 2.00 | .... |

Bulbs and Tubers—

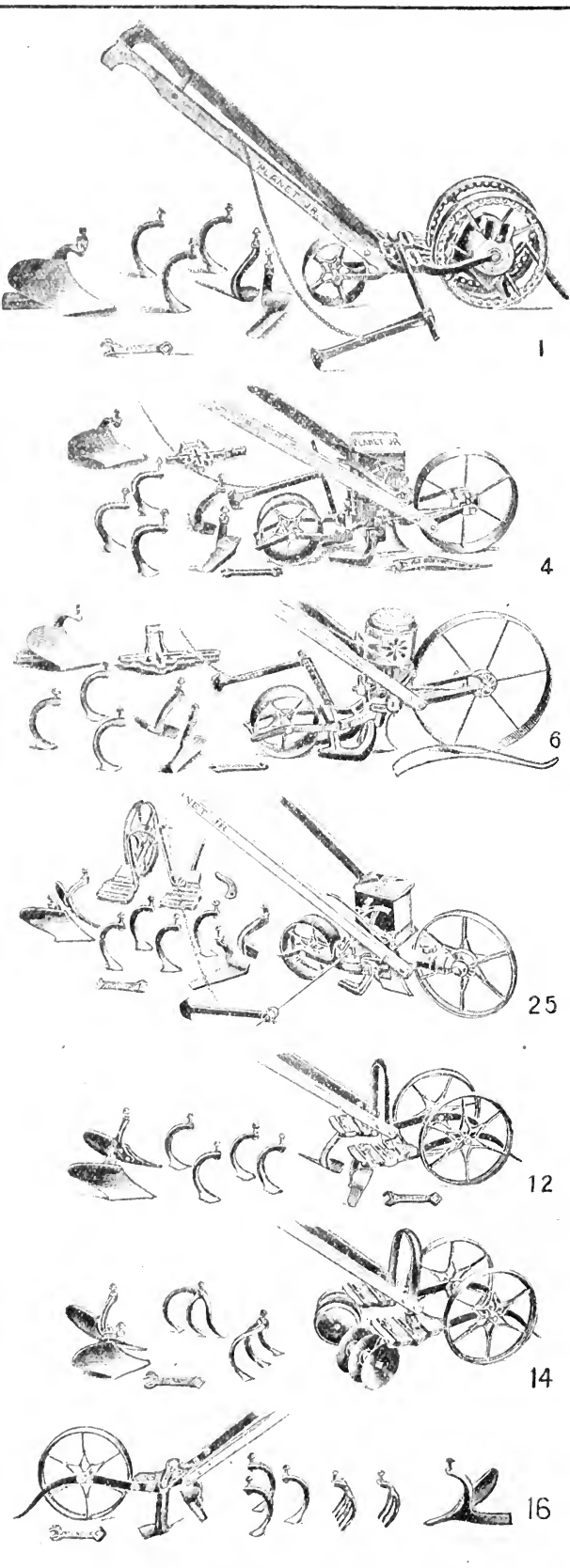
| | | | |
|---|-----|------|------|
| Cinnamon Vine, hardy climber with fragrant flowers..... | .15 | 1.00 | |
|---|-----|------|------|

Gladiolus—Best strains known.

Add 1 cent each for postage on Gladiolas.

| | | | |
|--------------------------------|-----|------|------|
| Iris, German and Siberian..... | .17 | 1.00 | .... |
| Tuberose | .05 | .40 | .... |

ASK FOR COMPLETE PLANET, JR., CATALOG

**No. 1 Planet Jr. Combined Drill Seeder, Wheel Hoe, Cultivator and Plow**

Price, with Tools as shown, \$9.00.

The sowing cylinder is a drum of spring brass set between the driving wheels, with a sliding brass band and cam. In drum and band are corresponding diamond shaped discharge openings, quickly adjusted for any kind of seed.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

Price, Complete, \$10.50.

As a Seeder Only, \$8.50.

This tool combines, in a single convenient implement, a capital hill-dropping seeder, a continuous row-seeder, an admirable single wheel hoe, an excellent furrower, a capital wheel cultivator and a rapid and efficient wheel garden plow.

No. 6 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

Price, Complete, \$13.00.

As a Seeder Only, \$10.50.

What It Will Do—It drops all garden seeds in hills and sows in drills, with regularity, in a narrow line, to any exact depth required, covers, rolls down and marks the next row, all at one passage.

No. 25 Planet Jr. Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow

Price, \$13.00.

This new combined machine is intended for gardeners who have a large enough acreage in crops for a Double Wheel Hoe to be used to good advantage, and yet prefer not to buy seeders and wheel hoes separately.

No. 12 Double Wheel Hoe, Cultivator and Plow

Price, \$6.50.

The Planet Jr. Double Wheel Hoes are the greatest cultivating tools in the world for the onion and small sugar beet grower, and also for every grower of garden crops from drilled seed. They do more and do it better and easier than can possibly be done in any other way. The frame is steel.

No. 14 Planet Jr. Double Wheel Disc Hoe, Cultivator and Plow

Price, with Attachments, as in cut, \$7.50.

This new tool will give excellent satisfaction; is especially pleasing to all who work peat lands. There are three oil tempered discs on each side. The frame is steel.

No. 16 Planet Jr. Single Wheel Hoe, Cultivator, Rake and Plow

Price, with Attachments, as in cut, \$5.35.

We offer these Single Wheel Hoes as the highest type of their class. They have a great variety of tools which adapt the implements to a large variety of work, and there is scarcely any garden culture of which they are not capable.

No. 72 Planet Jr. Two-Row Pivot Wheel Cultivator, Plow, Furrower and Ridger

Price, with Roller Bearings, \$55.00.

Price, with Plain Bearings, \$50.00.

Equipment: Fourteen cultivator teeth; four reversible plows; two 7-inch furrowing shovels; four plant guards. They do thorough work in rows of irregular width.

No. 76 Planet Jr. Pivot Wheel Riding Cultivator, Plow, Furrower and Ridger

Price, with Plain bearings, \$45.00.

Price, with Roller Bearings, \$50.00.

Equipment: Nine cultivator teeth, two 6-inch plows, two 7-inch plows, two 7-inch shovels, two plant shields.

The arch is high, frame and tongue are of steel and the change in width of the wheels is all that could be desired. It has new and powerful levers, and the gang frame is stronger than any we have ever before offered.

No. 8 Planet Jr. Horse Hoe and Cultivator

Price, \$8.50.

No other cultivating machine is so widely known as the Planet Jr. Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

No. 8A Planet Jr.

Price, \$14.75.

This tool is made by attaching two extra side bars to our No. 8 Horse Hoe (each carrying two teeth and a depth regulator), and a middle bar extension and truss expander. The tool leaves no open furrows next to the row.

No. 12T Planet Jr. Twelve Tooth Harrow, Cultivator and Pulverizer

Complete, \$8.50.

Without Pulverizer, \$7.00.

Price, plain, \$5.70.

Gardeners cultivate better than formerly. It has been found to pay best. With the Twelve-Tooth Harrow you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake.

No. 126 The Improved Planet Jr. White Potato Digger

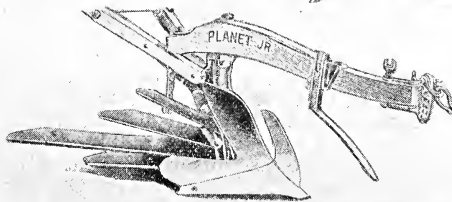
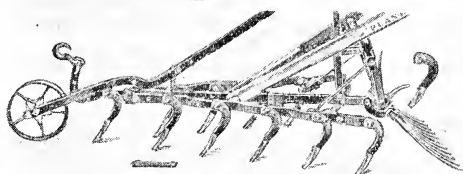
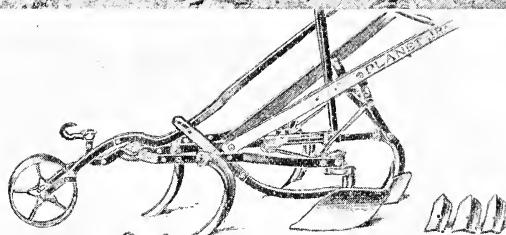
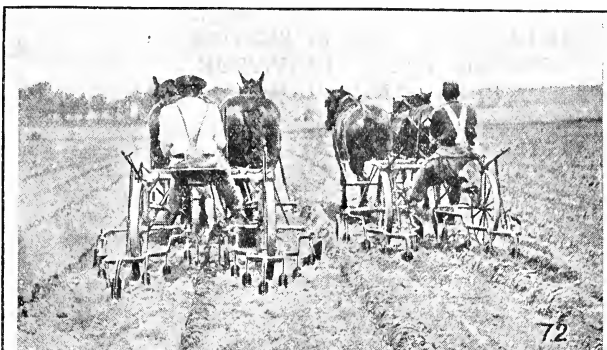
Price, \$17.50.

Consists of successive shares which cut the furrow, turned on edge by the front share and moldboard, into horizontal slices, throwing the vines and weeds to one side and pushing the potatoes to the surface.

No. 19 Planet Jr. "Farmer's" Single Wheel Hoe, Cultivator and Plow

Price, \$3.25.

This new and attractive implement is especially designed for the Farmer's Garden Work, though it offers to everyone with either field or garden, a cheap and effective tool for all hand wheel hoe operations.

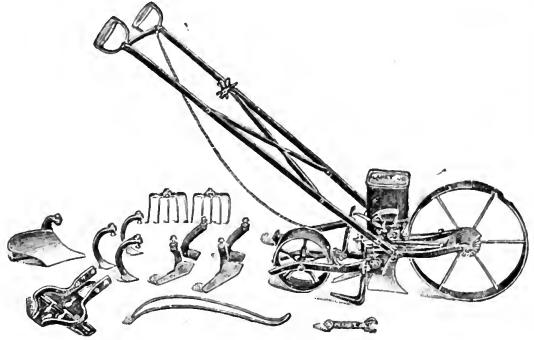


**NO. 28 PLANET JR. COMBINED
HILL AND DRILL SEEDER,
WHEEL HOE, CULTIVATOR,
RAKE AND PLOW.**

Price, \$14.50.

Equipment:

One pair 6-inch hoes.
One pair 4½-inch hoes.
One pair 5-tooth rakes.
Three cultivator teeth.
One landside plow.
One leaf guard.
One marking attachment.
Steel handles.
Packed weight, 71 lbs.
Holds 3 quarts.



This is our latest and best Combined Hill and Drill Seeder and Single Wheel Hoe. It shows in its construction the results of the last three years' close study of this class of tools and is the culmination of forty years' experience.

It is the most accurate seeder in action and the nearest perfect in construction that we have ever offered. Accuracy of construction makes for accuracy in operation, and it saves seed and labor and insures an even stand of plants and a correspondingly satisfactory crop.

The castings for the vital parts of the seeding devices are made of special metal and by the latest improved methods in the art of casting, and have enabled us to produce a tool far more accurate in construction and in operation than anything we could offer in previous years. Our new method of delivering the seed from the hopper is much superior to any that we have heretofore used, and the great regularity obtained is most gratifying. In extensive field trials on one large market garden, where 100 acres of onions are sown annually by Planet Jr. Seeders, our No. 28 sowed with such perfection as to call forth unqualified approval from the grower.



Conkey's Poultry Book Free

A valuable 80 page book on housing, feeding, management, disease, etc. Just the practical working ideas you need in order to be successful with poultry. Free for stamps, 4c, to cover mailing.

We sell and guarantee all Conkey Remedies. Money back if in any treatment you are not absolutely satisfied with results.

Here's what you need for hatching season.

Conkey's Lice Powder, for sitting hens, and for dusting in nests, 10c, 25c, 50c and \$1.00. Express extra.

Conkey's Head Lice Ointment for little chicks, 10c, 25c, postage free.

Conkey's Lice Liquid, for mites in poultry house or for dipping, 1 qt., 35c; 2 qts., 60c; gallon, \$1.00.

Remember there are 3 different kinds of lice. You must fight all three.

Conkey's White Diarrhea Remedy for little chicks, 50c.

Conkey's Cholera Remedy for all bowel troubles, 50c.

Conkey's Gape Remedy, 50c.

Always keep on hand Conkey's Roup Remedy, 50c and \$1.00. Prevents colds and roup and cures even worse cases. Positive guarantee.

Conkey's Laying Tonic, all pure tonic, no bulky fiber. Very economical. 25c, 50c, \$1.00 pkgs. Pails, \$3.00. Brings eggs. Excellent for chicks not doing well. Doesn't injure.

We cannot list the complete line, but there is a Conkey Remedy for every known poultry disease. Send for the Conkey Poultry Book and find out about these diseases. Healthy birds make healthy profits. Book tells how to prevent disease.

If your farm stock are ailing, give them Conkey's Stock Tonic. It is a perfect conditioner. Fine for dairy cows, also for feeding cattle, sheep or hogs. Excellent worm remedy and keeps digestion perfect, thereby insuring proper gains from expensive feed. Prices: 1 lb., 25c; 2¼ lbs., 50c; 5 lb pkg., \$1.00; 12 lb. pail, \$2.00; 25 lb. pail, \$3.50.

A good all around dip and disinfectant is an absolute necessity. Here is one at the right price. Every gallon of Conkey's Disinfectant makes 100 gallons of ready to use disinfecting fluid. Simply mix with water. Not dangerous and can't explode. Prices: Qt., 35c; 2 qts., 60c; 1 gal., \$1.00.

No flies on stock if you spray with Conkey's Fly-Knocker. Doesn't injure animal or taint milk. No shrink in milk flow or loss of butter-fat. Money back if not satisfied. Prices: Qt., 35c; 2 qts., 60c; 1 gal., \$1.00.

Little Wonder Hose Mender

Needs no band or wire to make a perfect joint, old hose can be put together with it at a trifling cost. These menders cheap as dirt. For ½, ¾ or 1-inch hose. **Per dozen, 15c.**



Baskets—Grape Baskets

We carry these in stock in quantities and can make shipment promptly. These are the standard eight-pound baskets with cover and handle. 50, \$2.00; 100, \$3.75; 1,000, \$30.00.





CRY-S-CO

Grit and Shell Producer

ITS ECONOMICAL FEATURES

In buying CRY-S-CO, you get a shell producer and grit combined. The chicken gets more lime from CRY-S-CO than from the genuine oyster shell, and fresh water shells that are being substituted for oyster are not to be compared at all with CRY-S-CO. The gritty part of CRY-S-CO thoroughly grinds the food, being hard, sharp and cubical, and saves the buying of a separate grit for this purpose. The heavy white cotton sack in which CRY-S-CO is packed is worth 10 cents to any poultry raiser.

Price, per 100 lbs., 90c; 50 lbs., 50c; 25 lbs., 30c; 5 lbs., 15c.



BUG DEATH

A non-poisonous powder to be applied dry or mixed with water and sprayed on the plants. It is death to the potato, squash and cucumber bugs, currant and tomato worms. It is best applied dry with a duster or bellows at the rate of about 12 lbs. per acre. Price, 1 lb., 15c; 3 lbs., 35c; 5 lbs., 50c; 12½ lbs., \$1.00; 100 lbs., \$7.50.

Dickey Shaker, for applying above, 25c each.
Acres an Hour Shaker, 50c each.



Pat. March 16 and Nov. 9, 1897.

Garden or Lawn Hose, Gurney Brand

None better. Finest quality of rubber used in its manufacture; non-kinkable; last for years. Fitted with brass hose couplers if you mention it. Price, ¾ inch, per 25 ft., \$5.75; 50 feet, \$10.25; 100 feet, \$20.00.

"The Best Brand" Hose

An exceptional good quality hose for the money and we recommend this grade. Comes in 25 and 50 foot lengths. Price including coupling, ¾ inch, 25 ft., \$4.00; 50 feet, \$7.75; 100 ft., \$15.00.

Standard Hose

Kind ordinarily sold, gives good service and is a very satisfactory hose. We include couplings. Price, 25 ft., \$3.00; 50 feet, \$5.50; 100 feet, \$10.00.

Lawn Sprinkler

Heavy brass sprinkler, throws a good spray, in fact, best and most durable of all lawn sprinklers. Throws spray twelve feet high and 30 feet in diameter. Made for ½, ¾ and 1 inch hose; be sure and state size of hose. Each, 45c.



Pruning Shear, California Pattern

Very best quality. At this low price you cannot afford to be without a pair. Price, 50c.

The Pastime Weed Extractor



It is merely pastime using this tool. Every possessor of a lawn needs one. Handy to carry about the farm and catch noxious weeds. High grade shovel steel. Length 4 ft. Each, 25c.



Garden Trowel, Style A

Steel, hardwood handle finely varnished, 6-inch steel blade, lower half polished, upper half lacquered blue. Price, each, 25c.

Garden Trowel, Style G

Hardwood handle not varnished. 6-inch steel blade, finish, plain lacquered. Price, 20c.

Norcross Cultivator Hoes

The most useful of all garden implements. If the soil is constantly stirred, weeds cannot sprout and the valuable soil moisture which feeds and gives life to growing plants, will be retained.

Close hand cultivation is best; and "Norcross" Cultivator-hoes and Weeders are like a human hand, the fingers of which work closely around the delicate plants without injuring them; stirring the soil to any depth and leaving it level and loose without a footprint upon it.

The "Norcross" is the only Cultivator-hoe with detachable handle ferrule (Pat'd) which provides for its use as a wheel plow attachment. Professional gardeners declare that no wheel plow on the market has an attachment equal to our Cultivator-hoe. All prongs are detachable.

Price, 5 prong, 75c each; 3 prong, 40c each; midget, 25c each. Attachment for wheel hoe, 10c each.

Master's Transplanter

Means a good stand of plants, rain or no rain, everybody delighted with its work. Perfect satisfaction guaranteed. Thousands of testimonials for the asking. For setting cabbages, tomatoes, tobacco, sweet potatoes, and similar plants we challenge the world for its equal. Price, \$3.75 each. Send us your order today.

The Only Bag Holder Made That Has a Practical Truck Combined

A Combination Truck and Bag Holder.

Something new and useful.

Built strong enough to carry 500 lbs.

Has broad 8-inch wheels.

Stands firm and runs easy.

Hopper rim size half bushel measure rim.

Fits any bag, short or long.

Place the hopper at desired height with one movement of the hands.

Bag put on or taken off instantly.

Remove the hopper and you have a handy truck for other purposes.

Don't drag your bags.

Not a spring or thumb screw used in the construction.

Will last a lifetime. Try one.

Price, \$2.75.

The Eclipse Rotary Hand Corn Planter

Has given unequalled satisfaction during the last twelve seasons. It eclipses all others, having a positive feed, and four changes of discs. It is extremely simple, and works much easier than other styles. Plants anything from cane to corn. The handiest tool on the place. Price, \$1.00.

Foreign Names of Vegetables and Herbs

| ENGLISH | ITALIAN | SPANISH | DANISH-NORWEGIAN | GERMAN | FRENCH |
|------------------|----------------------|----------------------|------------------|------------------|---------------------|
| Anise | Aniso, Anacio | Anis, Matalahuga | Anis | Anis, Gruner | Anis |
| Artichoke | Articocea | Alcachofa | Artiskok | Artischoke | Artichaut |
| Asparagus | Sparagio | Esparrago | Asparges | Spargel | Asperge |
| Balm | Melissa | Toronjil, Citronella | Balsamurt | Citronen-Melisse | Melisse citronelle |
| Basil | Basilico | Albaca | Basilikum | Basilikum | Basilic grand |
| Beans | Fagiuoli | Habichuela | Boenner | Bohnen | Haricots |
| Beet | Borabietola | Remolacha | Roedbede | Rube | Betterave |
| Borage | Boragine | Borraja | Borago | Boretsch | Bourrache |
| Broccoli | Brocoli | Brocoli | Broccoli-Kaal | Spargelkohl | Chou Brocoli |
| Brussels Sprouts | Cavolo di Brusselles | Bruselas | Rosenkaal | Rosenkohl | Chou de Bruxelles |
| Cabbage | Cavolo cappuccio | Col repello | Hovedkaal | Kopfkohl, Kraut | Chou pomme |
| Cabbage, Savoy | Cavolo di Milano | Col de Milan | Savolkaal | Wirsing | Chou de Milan |
| Caraway | Carvi | Comino | Karve | Feld-Kummel | Cumin des pres |
| Carrot | Carota | Zanahoria | Gulerod | Carotten, Mohren | Carotte |
| Cauliflower | Cavolo fiore | Coliflor | Blomkaal | Blumenkohl | Chou-fleur |
| Celery | Sedano | Apio | Selleri | Sellerie | Celeri |
| Celeriac | Sedano-rapa | Apio-nabo | Knopselleri | Knoll-Sellerie | Celeri-rave |
| Chervil | Cerfoglio | Perifollo | Kjoervel | Kerbel | Cerfeuil |
| Chicory | Cicoria selvatica | Achicoria | Cichorie | Cichorienwurzel | Chicoree sauvage |
| Coriander | Coriandorlo | Culantro | Korlander | Coriander | Coriandre |
| Corn Salad | Valeriana | Canonigos | Vaarsalat | Feldsalat | Mache |
| Corn | Mais | Malz | Mals | Mals | Mais |
| Cress | Agretto | Mastuerzo | Karse | Garten-Kresse | Cresson alenois |
| Cress, Water | Nasturzio aquatico | Berro | Broendkarse | Brunnenkresse | Cresson de fontaine |
| Cucumber | Cetriolo | Cohombro | Agurk | Gurken | Concombre |
| Dandelion | Dente il leone | Diente de leon | Loevetand | Lowenzahn | Pissenlit |
| Dill | Aneto | Eneldo | Dil | Dill | Aneth |
| Egg Plant | Petronciano | Berengena | Aegplante | Elerpflanze | Aubergine |
| Endive | Indivia | Endivia | Endivie | Endivien | Chicoree Endive |
| Fennel | Pinochio | Hinojo | Fennikel | Fenchel | Fenouil |
| Garlic | Aglio | Ajo | Hvidloeg | Knoblauch | All |
| Horse Radish | Rafano | Taramago | Peberrod | Meer Rettig | Ralfort sauvage |
| Hyssop | Issopo | Hisopo | Isop | Isop | Hyssope |

THE "CLIPPER GRAIN AND SEED CLEANERS"

The Best Made. Cleans and Grades Anything
From Corn to Timothy Seed

Twelve screens. Screens for all kinds of grain and seed, including special corn grading perforated zinc screens.

New Flax screens, the kind that cleans quantity.

Capacity—Forty bushels market wheat per hour. Twelve bushels clover seed per hour. No other mill will handle near this quantity.

"Now, whatever a man soweth that shall he also reap."—Galatians, chapter 6, verse 7. If you sow weed seed you are bound to reap weeds. Take them out with a Clipper.

Every "Clipper Mill" is guaranteed, both as to material and workmanship, and is also guaranteed to excel all other seed and grain cleansers on the market.

It is guaranteed by the manufacturers, and that guaranty is reinforced by our guaranty.

This Cleaner is unequaled for cleaning all classes of grain or seed, such as wheat, corn, oats, barley, rye, beans, peas, buckwheat, kafir corn, cane seed, millet, clover, alfalfa, timothy, mustard, flax, etc., and is suitable for farm or general use. Unlike other mills, the "Clipper" cleans all classes of seed and grain thoroughly in one operation, without any waste, and leaves no tailings to be rehandled. Effectual separation of plantain from clover seed, is accomplished, removing all imperfect and foreign seed, as well as cleaning the perfect seed. It will also separate cockle from wheat, pepper grass or tongue grass from timothy, kale and mustard from flax, and make any other separation that, from its nature, is not impossible.

It is the best hand mill made for grading seed corn. We furnish special screens for grading seed corn for Edge Drop Planter.

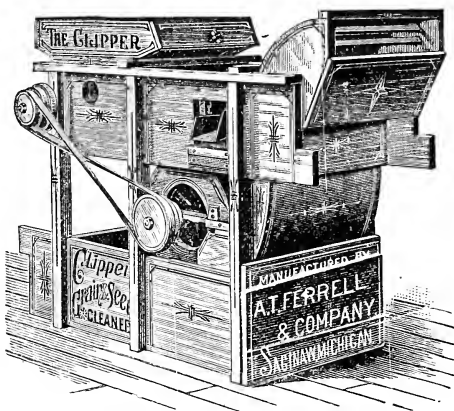
It is a well known fact that there is no work done on the farm that brings such large returns as thoroughly preparing the grain and seed by recleaning and grading for planting. This insures an even stand of strong, healthy plants, insuring a larger yield of a higher grade. This is the method that has been followed for years by the leading growers of fancy seed wheat and other seed stock. The Clipper cleaner is especially adapted to this kind of work on account of its ability to separate the small, also the light, dead seed or grain, from the perfect seed or grain.

Other manufacturers depend entirely upon screens for this work, and with unsatisfactory results. The Clipper screens all straw and foreign matter from the grain before it enters the air shaft, and our "Vertical Blast" does the rest.

Our screens are so arranged as to be in plain view and of easy access to the operator while machine is in operation.

To anyone desirous of obtaining a first-class, inexpensive and durable mill, for general use, the above facts should dictate the purchase of the Clipper.

The No. 1 Clipper cleaner is the best all-round farm mill made. Give it a trial and you will use no other. Indorsed and used by State and Government Experimental Stations and 90 per cent of the seed houses of the world.



Announcement Extraordinary

This mill sells everywhere without corn-grading screens for \$25.00. With the corn-graders for \$30.00. We will deliver this mill at your nearest railroad station, freight paid, and including the corn-grading screens, for \$25.00.

A New Spray and Force Pump

We do away entirely with the objectionable foot-rest, clamps, leather suction, packing, etc., etc.

This Pump requires no fastening of any kind, holds itself down and works anywhere and everywhere. All the operator need do is to press the plunger down. It rises of itself, the upward stroke being made by a brass spring forcing the cylinders apart.

The All-Brass suction working within a brass cylinder with all Brass Valves, does away entirely with all leather, rubber or other packing. It is practically impossible for any part to get out of order.

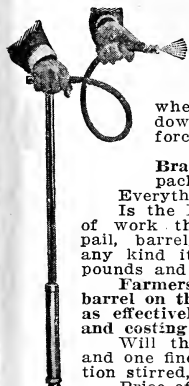
Everything except handle and hose are Solid Brass.

Is the Easiest Working and will do more different kinds of work than any pump ever made. Will pump from a pail, barrel, tank, spring or creek. Without fastening of any kind it stands firmly wherever placed. Weighs only 3 pounds and is Ready for Instant Use Everywhere.

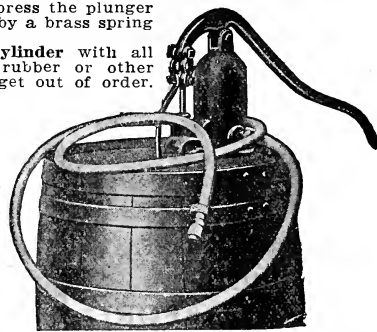
Farmers with an ordinary amount of Spraying put a barrel on their wagon, set this Pump in and spray their trees as effectively as their neighbor who uses an outfit weighing and costing five times as much.

Will throw two solid continuous streams, one flat spray and one fine round spray. Has automatic mixer to keep solution stirred, pleases everybody and will last a lifetime.

Price of Pump complete, as shown in cut, \$3.50.



Junior
No. 5.



No. 4.

Barrel Sprayers

This Barrel Sprayer is intended for orchard or field spraying, and can be mounted on either the end or side of an ordinary barrel, or on a tank.

When desired, two lengths of hose and two or four nozzles can be used by attaching a large Y to the screw spout of pump, so enabling you to spray from both sides of the wagon at the same time.

This pump has large air chamber and possesses great power and force. The churn dash agitator attached to piston thoroughly mixes the solution at every stroke of the pump handle.

We do not furnish barrels, as suitable ones on which pump is easily mounted can be secured in all localities. At prices quoted below, each pump is fitted with five feet of hose, five feet of iron extension pipe and one "Kant-Klog" nozzle, making a splendid outfit, fully guaranteed, at a very low cost.

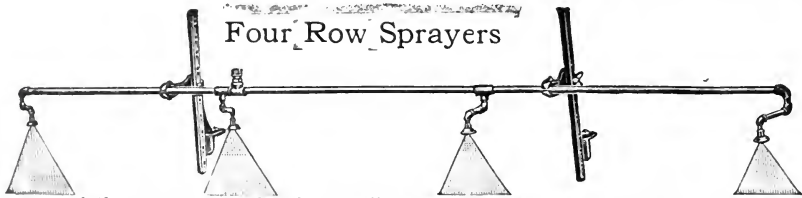
No. 4, price, with seamless brass cylinder two and one-half inches in diameter, seven inches long, brass piston rod and brass screw spout, \$9.50.

No. 8, the same as No. 4, with all brass plunger, brass valve and valve seat, \$11.50.

When desired, we furnish a three-quarter inch shut-off cock for \$1.00.

Large Y for attaching 2 hose to spout 80c; additional hose 14c. per foot.

Four Row Sprayers



Price of the complete outfit with 4 solid brass nozzles, 2 caps for each nozzle, \$6.00.

ered by loosening two wing nuts. This attachment will save many times its cost the first season. One man can drive and do the pumping and spray 30 acres of potatoes, etc., per day.

We have Power Sprayers for sale. But if a customer already has an orchard pump or intends getting one of ours, why should he go to the expense of getting a large power sprayer? By getting this attachment he has a splendid outfit for both orchard and field work, at less than one-third the cost.

Spraying Pump and Cart "Gardener's Choice"

Complete as per cut. Is meeting a long felt want in this line. The top of the tank where the pump sets is firmly fastened to the tank and frame. The frame is largely of wrought iron pipe and the 24-gallon tank is of hard wood, well hooped. With this outfit you can handle any amount of spraying. Price complete, \$13.00.



Spraying Pump and Cart

Kant Klog Sprayer

A slight pressure of the thumb starts the spray; remove it and the spray stops instantly. Special attention is called to the new Kant Klog. The only nozzle that can be successfully cleaned without stopping the spray. Gives both round and flat sprays or solid stream. It is suspended from the shoulder and holds five gallons. We can furnish this in either galvanized steel or polished brass as desired. Price with galvanized steel body, \$5.00; with polished brass body, \$6.50.

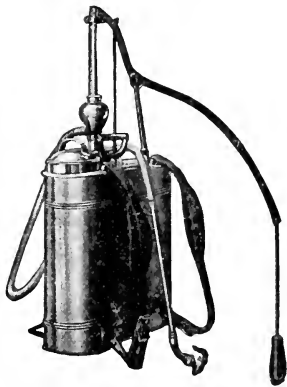
"Success" Knapsack Sprayer

This is undoubtedly the best knapsack sprayer on the market and will take care of any quantity of work.



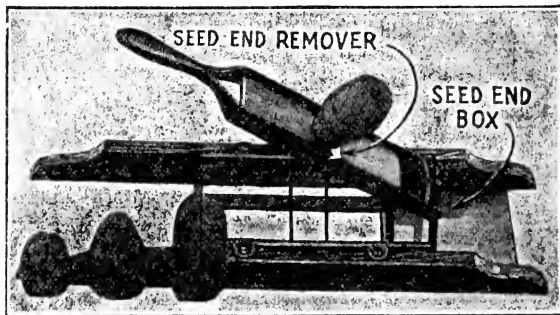
The Cyclone Seed Sower

This is the best knapsack broadcast grain and seed sower made and any person sowing any kind of grain or grass seed will more than save the cost of it on a very few acres, besides sowing the seed much more even than they possibly can by hand. Order one to come with your grass seed. Price, each, \$1.50.



"Success" Knapsack Sprayer.

The Gem Seed Potato Cutter



Made
Stronger
Than
Ever
Before
No Weak
Parts

24 Inches Long
8 Inches Wide
Weight 8 lbs.
Cutter will Last a
Lifetime
CAN YOU AFFORD
TO BE
WITHOUT ONE?
PRICE, \$2.50

The GEM SEED POTATO CUTTER shown herewith has all the essential features necessary to a first-class tool. It will cut any size potato in pieces uniform in size, thereby insuring more accurate planting when power planter is used. The operator, to get the best results, will pick up the tuber, look for the seed or blossom end, passing it over the knife on upper side of pressure lever, thus removing the cause of so many empty potato hills in your potato patch. Then, according to size of potato, place it on knives so that when lever is pushed down it will be cut into either two, four or six; or if a very large one, split it and cut each half into as many pieces as its size will require. From six to eight bushes can be cut with it in an hour. The saving in time alone will more than pay for this cutter the first season it is used.

Weights and Measures and Amount of Seed Sown to the Acre

| | Weight per bush. | Quantity to acre. | | Weight per bush. | Quantity to acre. |
|--|---------------------|----------------------|------------------------------|---------------------|----------------------|
| Barley, broadcast..... | 48 lbs. | 2 to 2½ bush. | Clover, } { together }..... | 4 lbs. Clover | 5-8-10 |
| Beans | 60 lbs. | 1 to 1½ bush. | Timothy, } { for }..... | ¼ bu. Timothy | 4 |
| Bromus Inermis..... | 14 lbs. | 18 to 20 lbs. | Red Top, } { one acre }..... | 4 lbs. Red Top | 4 |
| Buckwheat | 48 lbs. | ½ bush. | Beets, in drills | 5 to 6 lbs. | 5 |
| Clover, red, alone..... | 60 lbs. | 10 to 15 lbs. | Carrot, in drills | 2 to 3 lbs. | 2 |
| Clover, white, alone | 60 lbs. | 8 lbs. | Corn, in hills | 8 to 8 qts. | 8 |
| Clover, Alsike, alone..... | 60 lbs. | 8 to 10 lbs. | Corn, for soiling..... | 2 to 3 bush. | 2 |
| Clover, Alfalfa, alone..... | 60 lbs. | 12 to 20 lbs. | Corn, sweet | 6 to 8 qts. | 6 |
| Clover, sweet | 60 lbs. | 5 to 15 lbs. | Onion Seed | 4 to 5 lbs. | 4 |
| Flax | 56 lbs. | ½ to ¾ bush. | Onion Sets, in drills..... | 6 to 8 bush. | 6 |
| Grass, Lawn, weight de- pends on mixture..... | | | Peas, Garden | 2 bush. | 2 |
| Grass, Kentucky Blue..... | 14 lbs. | 60 lbs. | Peas, Field | 2½ bush. | 2½ |
| Grass, Orchard | 14 lbs. | 3 bush. | Potatoes (cut tubers)..... | 8 to 10 bush. | 8 |
| Grass, English Rye..... | 14 lbs. | 2½ bush. | Pumpkins, in hills..... | 4 to 6 lbs. | 4 |
| Grass, Red Top, solid seed.. | | 10 to 14 lbs. | Rape, Dwarf Essex..... | 5 to 10 lbs. | 5 |
| Grass, Timothy..... | 45 lbs. | 1¼ to 1½ bush. | Squash | 3 to 4 lbs. | 3 |
| Grass, Millet | 50 lbs. | ¾ to 1 bush. | Turnip, in drills..... | 1 to 1½ lbs. | 1 |
| Oats | 32 lbs. | 2 to 3 bush. | Turnip, broadcast | 1 lb. | 1 |
| Rye | 56 lbs. | 1½ to 2 bush. | Rutabaga, broadcast | ½ to 1 lb. | ½ |

INDEX

| | Page | | Page | | Page |
|------------------------|---------------------|--------------------------|-------------------|-------------------------|--------------------|
| Artichoke | 27 | Egg Plant..... | 38 | Premiums | 125 |
| Asparagus | 27-128 | Endive | 38 | Peanuts | 46 |
| Alfalfa | 87-88-89 | Emmer | 79 | Peas, Cow..... | 80 |
| Apples | 109-114 | Elm | 132 | Peas | 52-23-24-47-48 |
| Apricots | 115 | Evergreens..... | 59-126-137 to 142 | Peas, Field..... | 81 |
| Ash | 130-133-136 | Flower Seeds..... | 93 to 108 | Pepper | 49-24 |
| Broccoli | 32 | Feterita | 83 | Parsnips | 49 |
| Beets | 29-30-31-14 | Flax | 83 | Pumpkin | 49-50 |
| Brussels Sprouts..... | 32 | Flowering Shrubs | 143 | Parsley | 51 |
| Beans | 27-28-29-13 | Foreign Names..... | 156 | Plants, Vegetable..... | 58 |
| Borecole | 32 | Gurney, C. W..... | 6 | Plants, Flower..... | 58 |
| Buckwheat | 79 | Garlic | 39 | Potatoes | 21-22-60 to 63-159 |
| Barley | 80 | Grass Seed | 85 to 92 | Plums | 116 to 124 |
| Broom Corn..... | 82 | Garden Tools..... | 155-156 | Pears | 56-124 |
| Bromus | 89 | Grapes | 125-126-129-159 | Poplar | 134 |
| Bug Death..... | 155 | Gooseberry | 126-127-159 | Petella | 134 |
| Books | 107 | Grafts | 135 | Postoffice Dept..... | 151 |
| Blackberry | 129 | Hazelnut | 129 | Planet Jr. Tools..... | 152-153 |
| Butternut | 125 | Hot Beds | 57 | Potato Cutters..... | 158 |
| Buckeye | 129 | Hose | 154-155 | Quince | 125 |
| Box Elder..... | 130-59 | Horse Radish..... | 128 | Radishes | 24-25-50-51 |
| Basswood | 131 | Hackberry | 132-59 | Rutabagas | 56-57-25 |
| Birch | 131 | Hedge Plants..... | 136-137 | Rhubarb | 51-129 |
| Bulbs..... | 146 to 150 | Herbs | 58 | Rape | 81 |
| Clover | 84-85-86 | Introduction | 7 | Rye | 79 |
| Chicory | 35 | Instructions | 9 | Raspberry | 127-159 |
| Cress | 35 | Jerusalem Corn..... | 82 | Roses | 145-146 |
| Celeriac | 35 | Juneberry | 127 | Squash | 52-53-26 |
| Cucumbers | 35-15 | Kale | 32 | Sage | 58-106 |
| Carrots | 36-15-1 | Kafir Corn..... | 82 | Sunflower | 53 |
| Cauliflower | 17-34 | Leek | 27 | Sweet Peas..... | 103-104-105 |
| Celery | 32 | Lettuce | 18-39 | Spinach | 54 |
| Cabbages | 33-34-16-17 | Locust | 132-59 | Spinnif | 54 |
| Corn, Sweet..... | 37-38-15-16 | Melon, Musk..... | 19-40-41-42-43 | Speltz | 79 |
| Corn, Fodder..... | 77-38 | Melon, Water..... | 18-19-20-44-45-46 | Sorghum | 82 |
| Corn, Pop..... | 38 | Mushroom | 46 | Sweet Clover..... | 84-85 |
| Corn, Field..... | 64 to 76 | Milo Maize | 83 | Strawberry | 128-159 |
| Cutworm | 54 | Millet | 92 | Sycamore | 134 |
| Cane | 8 | Mulberry | 116-133-60 | Small Fruits..... | 125 |
| Conkey's Remedies..... | 154 | Maple | 133 | Spray Pumps..... | 157-158 |
| Crys-co Grit | 155 | Mt. Ash..... | 133 | Tomatoes | 54-55-56-24 |
| Clipper Mills | 157 | Nursery Department | 108-109 | Turnips | 57-17-30 |
| Crab Apples..... | 110-114 | Nitrogerm | 83 | Tree Seeds..... | 59-60 |
| Cherries | 115-116-131-132-159 | Nut Trees..... | 129-130 | Teosinte | 82 |
| Choke Cherry..... | 115 | Order Sheets..... | 11-12 | To Make Trees Bear..... | 115 |
| Currents | 125-159 | Onions | 1-2-3-4-5 | Tree Protectors..... | 115 |
| Chestnut | 129 | Onion Sets | 6 | Vetches | 82-34 |
| Catalpa | 131-139-59 | Okra | 46 | Walnut | 130 |
| Caragana | 131 | Oats | 79 | Wheat | 77-78 |
| Cottonwood | 131 | Olive | 133 | Willow | 134 |
| Cuttings | 135 | Oak | 133 | Weeping Trees..... | 135 |
| Climbing Vines | 141 | | | | |
| Dandelion Pullers..... | 150 | | | | |
| Dewberries | 125 | | | | |

BETA GRAPE

(See Colored Plate Opposite Page. Description and Price, Page 126.)

COMPASS CHERRY PLUM

(See Colored Print, Opposite Page.)

When the **Compass Cherry** was first introduced, it was given a wide berth by most nurserymen, but in the last two years it has been taken up in all sections of the country and put into the best fruit lists. It bears invariably at two years old and bears large quantities of most excellent fruit. In size it is larger than the **Early Richmond Cherry**. The quality is between the cherry and the plum. This perfectly hardy fruit was originated at Springfield, Minn., and is a cross between the native Sand Cherry and the American Plum. The fruit brings the best prices of any on the market and the demand has never been supplied. Anyone planting trees should not be without the **Compass** and then you would never be without good fruit.

The **Compass Cherry** ripens at a time when none of the Prof. Hansen plums are ripening and for that reason it will always be retained on the fruit list though it is much smaller in size than any of the Hansen plums. Do not understand by this that the **Compass Cherry** is only valuable because it fills in a space. It has a different flavor, is one of the very best for canning purposes and then it fills in a few days when you do not have the Hansen plum.

While we are not the introducer or the originator of the **Compass Cherry**, we claim to be one of the most, if not the most, active nurserymen to crowd it out among the planters. We were satisfied, after giving it a thorough trial, that it would take its place at the head of the list for home consumption and the home market, perfectly hardy, both in tree and fruit bud, bearing the youngest of any known tree, bearing more fruit to the tree than any other. Fruit selling for the best price, and of good quality, either fresh from the tree or canned. No one should be without the **Compass**, and then no one would be without fruit.

Last year we failed to fill more than half our orders. This year, with about the same amount of stock to offer, and a probable demand more than double that of last year, the advisability of early orders is suggested. 3-4 ft., each, 25c; per 10, \$2.00; 4-5 ft., each, 35c; per 10, \$3.00. 5-6 ft., each 40c; per 10, \$3.85.

PERFECTION CURRANT

(See Colored Print, Opposite Page.)

You have all grown the old standard varieties of Currants producing only a medium crop and those of small size. By the introduction of this new **Perfection Currant**, we are doubling the crop and the size. We picked currants of this variety in our nursery this past season nearly as large as the **Early Richmond Cherry** and in clusters of ten to twelve Currants on each stem. This Currant when it was first introduced won the celebrated **Berry Gold Medal** at the Pan-American Exposition, and the only gold medal awarded a Currant at the Louisiana Purchase Exposition. It is certainly a wonderful fruit and should be in all your gardens. Two years, No. 1, each 20c; per 10, \$1.80; per 100, \$13.00.

SUNBEAM RASPBERRY

Prof. N. E. Hansen's New Hardy Raspberry

On opposite page we show colored print of this new perfectly hardy Raspberry. We introduced this berry last spring and after another year's trial we can say positively that it is the only Red Raspberry of value from the south line of South Dakota to just as far north as you are a mind to go. We grow in the nursery a large number of varieties of Red Raspberries. The **Sunbeam** was the only one that came through last winter without winter killing. It produced a full crop of fruit, other varieties not any. Last year we published a full page of testimonials. We could publish several pages this year, but do not have the room. A better Raspberry than the **Sunbeam** may be produced later, but we doubt it. In hardiness it is perfect, quality the best and the quantity not to be complained of. Each, 10c; per 10, 90c; per 100, \$6.00.

CARRIE GOOSEBERRY

Prof. Hansen's report on this Gooseberry at the State Horticultural Meeting in 1910: "We have fruited the Carrie the past season or two and are well pleased with it. It is a great improvement in some respects over the old Houghton. I saw a large plantation near Excelsior, Minn., in 1907, in heavy bearing, and certainly it was a sight to behold."

At the meeting of 1911 he further reports: "The Carrie is intermediate in size between the Houghton and Downing, and is a heavy bearer at Brookings. It is a welcome addition to our present short list of Gooseberries. The Carrie will supersede the Houghton, I am confident of that."

Here at Yankton, it has proven much the best of all. For size, quality and productiveness, we call it best. Each, 25c; 10 for \$2.25.

FALL BEARING STRAWBERRIES

There is no reason why you should not have Strawberries during the entire season. Our plants of this variety froze up in the fall of 1913 full of blossoms, green and ripe fruit and there were ripe berries during all of the months of August and September. For further description see Strawberries.

BETA GRAPE

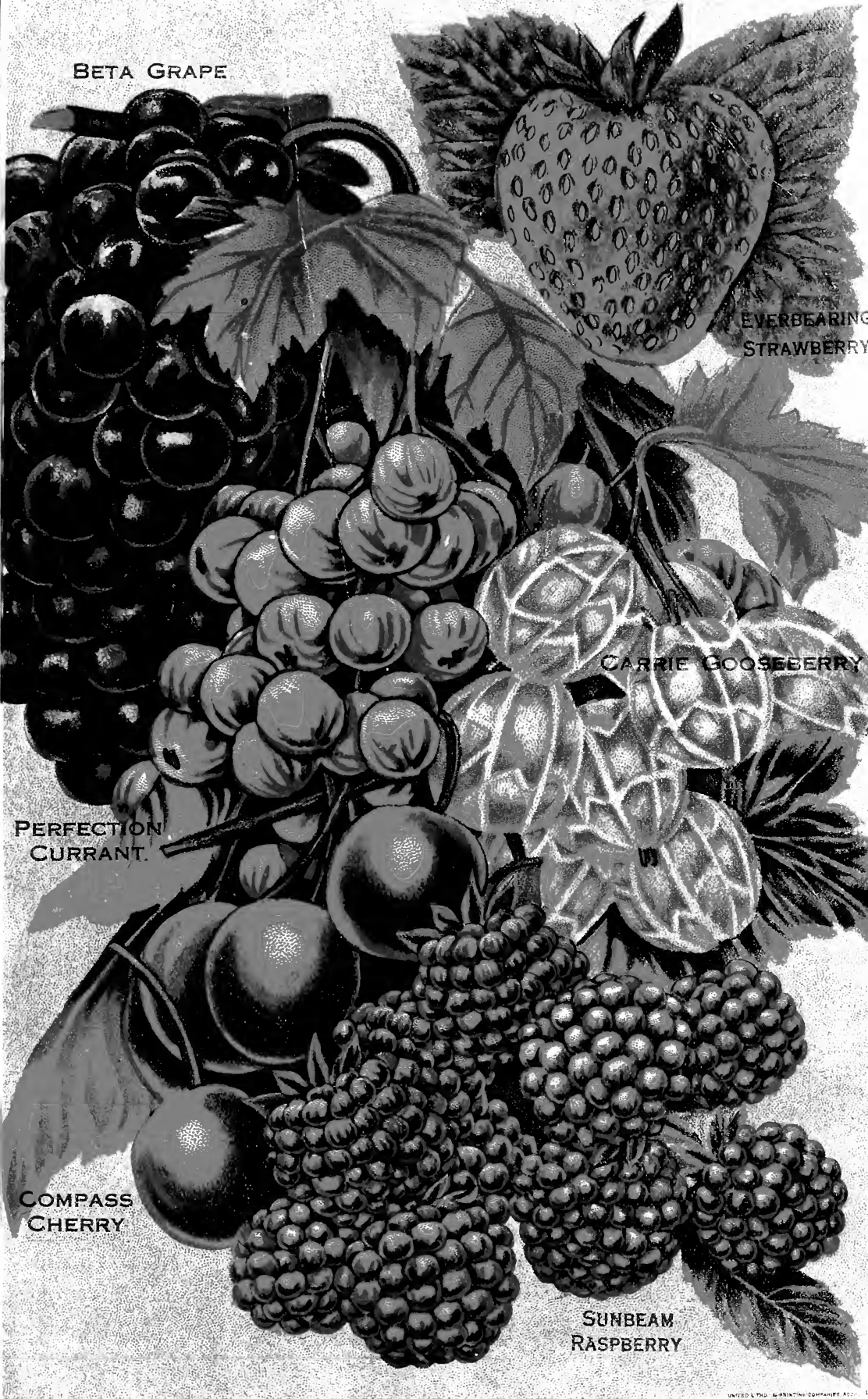
EVERBEARING
STRAWBERRY

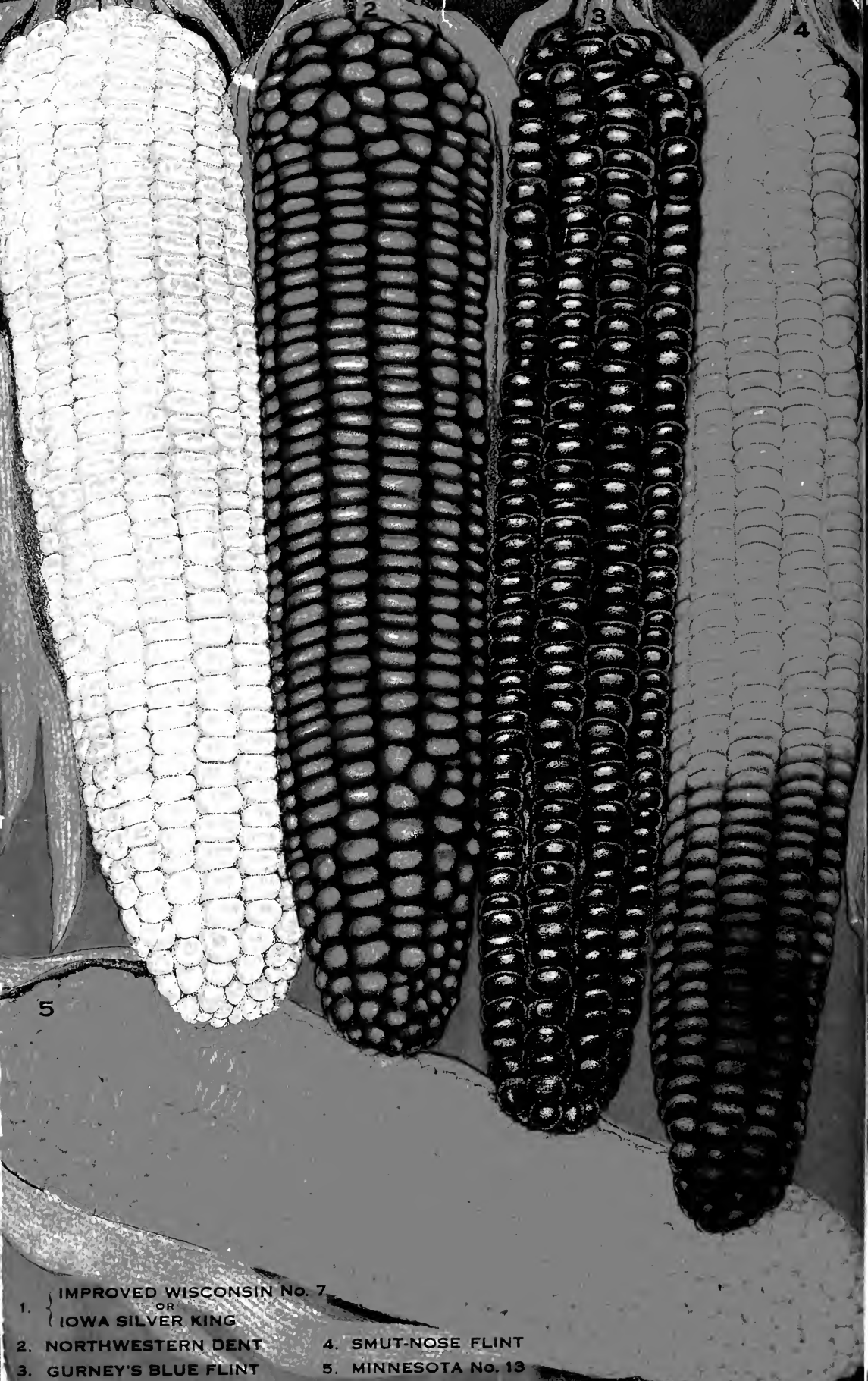
CARRIE GOOSEBERRY

PERFECTION
CURRANT.

COMPASS
CHERRY

SUNBEAM
RASPBERRY





1. IMPROVED WISCONSIN No. 7
OR
IOWA SILVER KING
2. NORTHWESTERN DENT
3. GURNEY'S BLUE FLINT
4. SMUT-NOSE FLINT
5. MINNESOTA No. 13